



Technical Report for

**KLEINFELDER**

Falcon Refinery Superfund Site/Ingleside, TX

Accutest Job Number: T20073

Sampling Date: 12/11/07

Report to:

KLEINFELDER

shalasz@kleinfelder.com

ATTN: Stephen Halasz

Total number of pages in report: **238**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

  
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Laboratory Manager

Client Service contact: Sylvia Garza 713-271-4700

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Test results relate only to samples analyzed.

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## Sample Summary

**KLEINFELDER**

**Job No: T20073**

**Falcon Refinery Superfund Site/Ingleside, TX**

| Sample Number | Collected |          | Received | Matrix |                   | Client Sample ID |
|---------------|-----------|----------|----------|--------|-------------------|------------------|
|               | Date      | Time By  |          | Code   | Type              |                  |
| T20073-1      | 12/11/07  | 08:35 PS | 12/12/07 | SO     | Soil              | FR-141           |
| T20073-1D     | 12/11/07  | 08:35 PS | 12/12/07 | SO     | Soil Dup/MSD      | FR-141 MSD       |
| T20073-1S     | 12/11/07  | 08:35 PS | 12/12/07 | SO     | Soil Matrix Spike | FR-141 MS        |
| T20073-2      | 12/11/07  | 09:05 PS | 12/12/07 | SO     | Soil              | FR-142           |
| T20073-3      | 12/11/07  | 09:10 PS | 12/12/07 | SO     | Soil              | FR-143           |
| T20073-4      | 12/11/07  | 09:30 PS | 12/12/07 | SO     | Soil              | FR-144           |
| T20073-5      | 12/11/07  | 10:00 PS | 12/12/07 | AQ     | Water             | FR-145           |
| T20073-6      | 12/11/07  | 10:05 PS | 12/12/07 | SO     | Soil              | FR-146           |
| T20073-7      | 12/11/07  | 10:35 PS | 12/12/07 | AQ     | Water             | FR-147           |
| T20073-8      | 12/11/07  | 10:40 PS | 12/12/07 | SO     | Soil              | FR-148           |
| T20073-9      | 12/11/07  | 13:10 PS | 12/12/07 | AQ     | Water             | FR-149           |
| T20073-10     | 12/11/07  | 13:15 PS | 12/12/07 | SO     | Soil              | FR-150           |
| T20073-10D    | 12/11/07  | 13:15 PS | 12/12/07 | SO     | Soil Dup/MSD      | FR-150 MSD       |

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



## Sample Summary (continued)

**KLEINFELDER**

**Job No: T20073**

**Falcon Refinery Superfund Site/Ingleside, TX**

| Sample Number | Collected |          | Received | Matrix |                   | Client Sample ID |
|---------------|-----------|----------|----------|--------|-------------------|------------------|
|               | Date      | Time By  |          | Code   | Type              |                  |
| T20073-10S    | 12/11/07  | 13:15 PS | 12/12/07 | SO     | Soil Matrix Spike | FR-150 MS        |
| T20073-11     | 12/11/07  | 13:12 PS | 12/12/07 | AQ     | Water             | FR-151           |
| T20073-12     | 12/11/07  | 15:00 PS | 12/12/07 | SO     | Soil              | FR-152           |
| T20073-13     | 12/11/07  | 15:05 PS | 12/12/07 | SO     | Soil              | FR-153           |
| T20073-14     | 12/11/07  | 15:35 PS | 12/12/07 | AQ     | Water             | FR-154           |
| T20073-15     | 12/11/07  | 00:00 PS | 12/12/07 | AQ     | Trip Blank Soil   | TRIP BLANK       |
| T20073-16     | 12/11/07  | 00:00 PS | 12/12/07 | AQ     | Trip Blank Water  | TRIP BLANK       |

---

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

## SAMPLE DELIVERY GROUP CASE NARRATIVE

**Client:** KLEINFELDER

**Job No** T20073

**Site:** Falcon Refinery Superfund Site/Ingleside, TX

**Report Date** 12/31/2007 3:55:58 PM

14 Samples and 2 Trip Blank were collected on 12/11/2007 and were received at Accutest on 12/12/2007 properly preserved, at 3.1 Deg. C and intact. These Samples received an Accutest job number of T20073. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Volatiles by GCMS By Method SW846 8260B

|                  |                         |
|------------------|-------------------------|
| <b>Matrix</b> AQ | <b>Batch ID:</b> VY1521 |
|------------------|-------------------------|

- All samples were analyzed within the recommended method holding time.
- Sample(s) T20086-12MS were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for 1,2,3-Trichloropropane are outside control limits. Probable cause due to matrix interference.
- T20086-12MS: No MSD available due to autosampler failure.
- T20073-11 for Toluene-D8: Outside of control limits biased high. Data is acceptable for all ND results.

|                  |                       |
|------------------|-----------------------|
| <b>Matrix</b> SO | <b>Batch ID:</b> VM52 |
|------------------|-----------------------|

- All samples were analyzed within the recommended method holding time.
- Sample(s) T20073-10MS, T20073-10MSD, T20073-1MS, T20073-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for 1,1,1,2-Tetrachloroethane, Bromodichloromethane, Bromoform, Carbon disulfide, cis-1,3-Dichloropropene, Dibromochloromethane, trans-1,3-Dichloropropene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 1,1,1,2-Tetrachloroethane, Bromodichloromethane, Bromoform, Carbon disulfide, cis-1,3-Dichloropropene, Dibromochloromethane, trans-1,3-Dichloropropene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.
- RPD(s) for MSD for Trichlorofluoromethane, Vinyl Acetate are outside control limits for sample T20073-10MSD, T20073-1MSD. Probable cause due to sample homogeneity.

## Extractables by GCMS By Method SW846 8270C

|                  |                         |
|------------------|-------------------------|
| <b>Matrix</b> AQ | <b>Batch ID:</b> OP8713 |
|------------------|-------------------------|

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T20088-2MS, T20088-2MSD were used as the QC samples indicated.
- RPD(s) for MSD for Benzo(g,h,i)perylene, Indeno(1,2,3-cd)pyrene are outside control limits for sample OP8713-MSD. Probable cause due to sample homogeneity.

|                  |                         |
|------------------|-------------------------|
| <b>Matrix</b> SO | <b>Batch ID:</b> OP8697 |
|------------------|-------------------------|

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) T20073-1MS, T20073-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Duplicate Recovery(s) for Hexachlorocyclopentadiene are outside control limits. Probable cause due to matrix interference.

|                  |                         |
|------------------|-------------------------|
| <b>Matrix</b> SO | <b>Batch ID:</b> OP8734 |
|------------------|-------------------------|

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T20073-10MS, T20073-10MSD were used as the QC samples indicated.
- RPD(s) for MSD for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1-Methylnaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Methylnaphthalene, 2-Methylphenol, 2-Nitroaniline, 3&4-Methylphenol, 3-Nitroaniline, 4,6-Dinitro-o-cresol, 4-Bromophenyl phenyl ether, 4-Chloro-3-methyl phenol, 4-Chloroaniline, 4-Chlorophenyl phenyl ether, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzyl Alcohol, bis(2-Chloroethoxy)methane, bis(2-Chloroethyl)ether, bis(2-Ethylhexyl)phthalate, Butyl benzyl phthalate, Carbazole, Chrysene, Di-n-butyl phthalate, Dibenzo(a,h)anthracene, Dibenzofuran, Diethyl phthalate, Dimethyl phthalate, Diphenylamine, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Isophorone, N-Nitroso-di-n-propylamine, N-Nitrosodiphenylamine, Naphthalene, Nitrobenzene, Pentachlorophenol, Phenanthrene, Phenol, Pyrene are outside control limits for sample OP8734-MSD. Probable cause due to sample homogeneity.

## Extractables by GCMS By Method SW846 8270C BY SIM

|                  |                         |
|------------------|-------------------------|
| <b>Matrix</b> AQ | <b>Batch ID:</b> OP8714 |
|------------------|-------------------------|

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

## Extractables by GC By Method SW846 8081A

|                  |                         |
|------------------|-------------------------|
| <b>Matrix</b> AQ | <b>Batch ID:</b> OP8723 |
|------------------|-------------------------|

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) OP8723-MSMSD, T20114-6MS, T20114-6MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for alpha-BHC are outside control limits biased high.

## Extractables by GC By Method SW846 8082

|                  |                         |
|------------------|-------------------------|
| <b>Matrix</b> AQ | <b>Batch ID:</b> OP8724 |
|------------------|-------------------------|

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T20114-6MS, T20114-6MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Aroclor 1016 are outside control limits. Outside control limits due to matrix interference. Confirmed by reanalysis.
- Matrix Spike Duplicate Recovery(s) for Aroclor 1016 are outside control limits. Outside control limits due to matrix interference. Confirmed by reanalysis.
- RPD(s) for MSD for Aroclor 1016, Aroclor 1260 are outside control limits for sample OP8724-MSD. Probable cause due to sample homogeneity.
- OP8724-MSD: Outside control limits due to matrix interference. Confirmed by reanalysis.
- OP8724-MS: Outside control limits due to matrix interference. Confirmed by reanalysis.

## Extractables by GC By Method SW846 8151

|                  |                         |
|------------------|-------------------------|
| <b>Matrix</b> AQ | <b>Batch ID:</b> OP8730 |
|------------------|-------------------------|

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) T20114-6MS, T20114-6MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Dinoseb are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Dalapon, Dinoseb are outside control limits. Probable cause due to matrix interference.
- RPD(s) for MSD for Dalapon are outside control limits for sample OP8730-MSD. Probable cause due to sample homogeneity.

## Metals By Method SW846 6010B

|                  |                         |
|------------------|-------------------------|
| <b>Matrix</b> AQ | <b>Batch ID:</b> MP7047 |
|------------------|-------------------------|

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T19995-1DUP, T19995-1MS, T19995-1MSD, T19995-1SDL, T19995-1DUP were used as the QC samples for metals.
- RPD(s) for Duplicate for Antimony, Arsenic, Iron, Nickel are outside control limits for sample MP7047-D1. RPD acceptable due to low duplicate and sample concentrations.
- RPD(s) for Serial Dilution for Arsenic, Cobalt, Copper, Nickel, Potassium are outside control limits for sample MP7047-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

|                  |                         |
|------------------|-------------------------|
| <b>Matrix</b> AQ | <b>Batch ID:</b> MP7068 |
|------------------|-------------------------|

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T19995-7MS, T19995-7MSD, T19995-7SDL, T19995-7DUP were used as the QC samples for metals.
- RPD(s) for Duplicate for Lead are outside control limits for sample MP7068-D1. RPD acceptable due to low duplicate and sample concentrations.
- RPD(s) for Serial Dilution for Lead are outside control limits for sample MP7068-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

|                  |                         |
|------------------|-------------------------|
| <b>Matrix</b> SO | <b>Batch ID:</b> MP7062 |
|------------------|-------------------------|

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T20073-1DUP, T20073-1MS, T20073-1MSD, T20073-1SDL, T20073-1DUP were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Aluminum, Antimony, Manganese are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Recovery(s) for Barium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for Duplicate for Barium, Calcium, Manganese, Copper, Lead are outside control limits for sample MP7062-D1. High RPD due to possible sample nonhomogeneity.
- RPD(s) for Serial Dilution for Arsenic, Beryllium, Chromium, Cobalt, Copper, Nickel are outside control limits for sample MP7062-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP7062-D1 for Copper: RPD acceptable due to low duplicate and sample concentrations.
- MP7062-D1 for Lead: RPD acceptable due to low duplicate and sample concentrations.

|                  |                         |
|------------------|-------------------------|
| <b>Matrix</b> SO | <b>Batch ID:</b> MP7074 |
|------------------|-------------------------|

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T20073-10DUP, T20073-10MS, T20073-10MSD, T20073-10SDL, T20073-10DUP were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony, Barium, Calcium are outside control limits. Spike recovery indicates possible matrix interference.
- Matrix Spike Duplicate Recovery(s) for Aluminum, Antimony, Barium, Iron are outside control limits. Probable cause due to matrix interference.
- RPD(s) for Duplicate for Silver are outside control limits for sample MP7074-D1. RPD acceptable due to low duplicate and sample concentrations.
- RPD(s) for Serial Dilution for Copper, Nickel, Selenium are outside control limits for sample MP7074-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

### Metals By Method SW846 7470A

|                  |                         |
|------------------|-------------------------|
| <b>Matrix</b> AQ | <b>Batch ID:</b> MP7085 |
|------------------|-------------------------|

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T20114-6DUP, T20114-6MS, T20114-6MSD were used as the QC samples for metals.

### Metals By Method SW846 7471A

|                  |                         |
|------------------|-------------------------|
| <b>Matrix</b> SO | <b>Batch ID:</b> MP7072 |
|------------------|-------------------------|

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T20073-1DUP, T20073-1MS, T20073-1MSD were used as the QC samples for metals.

|                  |                         |
|------------------|-------------------------|
| <b>Matrix</b> SO | <b>Batch ID:</b> MP7083 |
|------------------|-------------------------|

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T20073-10DUP, T20073-10MSD were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Mercury are outside control limits. Spike recovery indicates possible matrix interference.
- Matrix Spike Duplicate Recovery(s) for Mercury are outside control limits. Probable cause due to matrix interference.

### Wet Chemistry By Method EPA 160.3 M

|                  |                          |
|------------------|--------------------------|
| <b>Matrix</b> SO | <b>Batch ID:</b> GN12853 |
|------------------|--------------------------|

- Sample(s) T20058-1DUP were used as the QC samples for Solids, Percent.

### Wet Chemistry By Method SW846 3060A/7196A

|                  |                            |
|------------------|----------------------------|
| <b>Matrix</b> SO | <b>Batch ID:</b> F:GN28839 |
|------------------|----------------------------|

- Chromium, Hexavalent: Analysis performed at Accutest Laboratories, Orlando, FL.

### Wet Chemistry By Method SW846 7196A

|                  |                          |
|------------------|--------------------------|
| <b>Matrix</b> AQ | <b>Batch ID:</b> GN12812 |
|------------------|--------------------------|

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T20073-14DUP, T20073-14MS were used as the QC samples for Chromium, Hexavalent.

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

## SAMPLE DELIVERY GROUP CASE NARRATIVE

**Client:** Accutest Laboratories Gulf Coast, Inc.

**Job No:** T20073

**Site:** KLETXAU: Falcon Refinery Superfund Site/Ingleside, TX

**Report Date:** 1/1/2008 1:23:17 PM

9 Samples were collected on 12/11/2007 and were received at Accutest SE on 12/14/2007 properly preserved, at 2.0 Deg. C and intact. These Samples had an Accutest job number of T20073. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Wet Chemistry by Method SW846 3060A/7196A

**Matrix:** SO

**Batch ID:** GN28839

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples T20058-4DUP, T20058-4MS were used as the QC samples for Chromium, Hexavalent.

Matrix Spike Recovery for Chromium, Hexavalent is outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

RPD for Duplicate for Chromium, Hexavalent is outside control limits for sample GN28839-D1. High RPD acceptable due to low sample and duplicate concentration.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

\_\_\_\_\_  
Ellen Pampel, Inorganic QA (signature on file)

Date: January 1, 2008

**Tuesday, January 01, 2008**



## Sample Results

## Report of Analysis

---

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-141                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-1                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 84.4     |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|------------|----|----------|----|-----------|------------|------------------|
| Run #1 | M0001276.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |
| Run #2 |            |    |          |    |           |            |                  |

| Run #  | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 5.24 g         | 5.0 ml       |
| Run #2 |                |              |

## SW-846 8260B

| CAS No.    | Compound                    | Result   | MLQ    | SDL    | Units | Q |
|------------|-----------------------------|----------|--------|--------|-------|---|
| 67-64-1    | Acetone                     | 0.0082   | 0.057  | 0.0081 | mg/kg | J |
| 71-43-2    | Benzene                     | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 108-86-1   | Bromobenzene                | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 74-97-5    | Bromochloromethane          | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 75-27-4    | Bromodichloromethane        | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 75-25-2    | Bromoform                   | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 71-36-3    | n-Butyl Alcohol             | 0.057 U  | 0.057  | 0.057  | mg/kg |   |
| 104-51-8   | n-Butylbenzene              | 0.0011 U | 0.0057 | 0.0011 | mg/kg |   |
| 98-06-6    | tert-Butylbenzene           | 0.0011 U | 0.0057 | 0.0011 | mg/kg |   |
| 108-90-7   | Chlorobenzene               | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 75-00-3    | Chloroethane                | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 67-66-3    | Chloroform                  | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 95-49-8    | o-Chlorotoluene             | 0.0013 U | 0.0057 | 0.0013 | mg/kg |   |
| 106-43-4   | p-Chlorotoluene             | 0.0013 U | 0.0057 | 0.0013 | mg/kg |   |
| 75-15-0    | Carbon disulfide            | 0.0014 U | 0.011  | 0.0014 | mg/kg |   |
| 56-23-5    | Carbon tetrachloride        | 0.0012 U | 0.0057 | 0.0012 | mg/kg |   |
| 110-82-7   | Cyclohexane                 | 0.0013 U | 0.0057 | 0.0013 | mg/kg |   |
| 75-34-3    | 1,1-Dichloroethane          | 0.0015 U | 0.0057 | 0.0015 | mg/kg |   |
| 75-35-4    | 1,1-Dichloroethylene        | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 563-58-6   | 1,1-Dichloropropene         | 0.0013 U | 0.0057 | 0.0013 | mg/kg |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 106-93-4   | 1,2-Dibromoethane           | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 107-06-2   | 1,2-Dichloroethane          | 0.0015 U | 0.0057 | 0.0015 | mg/kg |   |
| 78-87-5    | 1,2-Dichloropropane         | 0.0017 U | 0.0057 | 0.0017 | mg/kg |   |
| 142-28-9   | 1,3-Dichloropropane         | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 123-91-1   | 1,4-Dioxane                 | 0.027 U  | 0.28   | 0.027  | mg/kg |   |
| 594-20-7   | 2,2-Dichloropropane         | 0.0012 U | 0.0057 | 0.0012 | mg/kg |   |
| 124-48-1   | Dibromochloromethane        | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 75-71-8    | Dichlorodifluoromethane     | 0.0012 U | 0.0057 | 0.0012 | mg/kg |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | 0.0015 U | 0.0057 | 0.0015 | mg/kg |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | 0.0015 U | 0.0057 | 0.0015 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-141                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-1                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 84.4     |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8260B

| CAS No.    | Compound                  | Result   | MQL    | SDL    | Units | Q |
|------------|---------------------------|----------|--------|--------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | 0.0015 U | 0.0057 | 0.0015 | mg/kg |   |
| 100-41-4   | Ethylbenzene              | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 60-29-7    | Ethyl Ether               | 0.0057 U | 0.0057 | 0.0057 | mg/kg |   |
| 110-54-3   | Hexane                    | 0.0012 U | 0.0057 | 0.0012 | mg/kg |   |
| 591-78-6   | 2-Hexanone                | 0.0077 U | 0.057  | 0.0077 | mg/kg |   |
| 87-68-3    | Hexachlorobutadiene       | 0.0013 U | 0.0057 | 0.0013 | mg/kg |   |
| 98-82-8    | Isopropylbenzene          | 0.0013 U | 0.0057 | 0.0013 | mg/kg |   |
| 99-87-6    | p-Isopropyltoluene        | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 108-10-1   | 4-Methyl-2-pentanone      | 0.0079 U | 0.057  | 0.0079 | mg/kg |   |
| 74-83-9    | Methyl bromide            | 0.0017 U | 0.0057 | 0.0017 | mg/kg |   |
| 74-87-3    | Methyl chloride           | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 74-95-3    | Methylene bromide         | 0.0023 U | 0.0057 | 0.0023 | mg/kg |   |
| 75-09-2    | Methylene chloride        | 0.0028 U | 0.011  | 0.0028 | mg/kg |   |
| 78-93-3    | Methyl ethyl ketone       | 0.0076 U | 0.057  | 0.0076 | mg/kg |   |
| 103-65-1   | n-Propylbenzene           | 0.0013 U | 0.0057 | 0.0013 | mg/kg |   |
| 100-42-5   | Styrene                   | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 71-55-6    | 1,1,1-Trichloroethane     | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 79-00-5    | 1,1,2-Trichloroethane     | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 96-18-4    | 1,2,3-Trichloropropane    | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | 0.0011 U | 0.0057 | 0.0011 | mg/kg |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | 0.0013 U | 0.0057 | 0.0013 | mg/kg |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | 0.0012 U | 0.0057 | 0.0012 | mg/kg |   |
| 127-18-4   | Tetrachloroethylene       | 0.0015 U | 0.0057 | 0.0015 | mg/kg |   |
| 108-88-3   | Toluene                   | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 79-01-6    | Trichloroethylene         | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 75-69-4    | Trichlorofluoromethane    | 0.0011 U | 0.0057 | 0.0011 | mg/kg |   |
| 75-01-4    | Vinyl chloride            | 0.0015 U | 0.0057 | 0.0015 | mg/kg |   |
| 108-05-4   | Vinyl Acetate             | 0.0086 U | 0.028  | 0.0086 | mg/kg |   |
| 1330-20-7  | Xylene (total)            | 0.0043 U | 0.017  | 0.0043 | mg/kg |   |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7  | Dibromofluoromethane  | 110%   |        | 68-127% |
| 2037-26-5  | Toluene-D8            | 116%   |        | 76-139% |
| 460-00-4   | 4-Bromofluorobenzene  | 115%   |        | 68-167% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 95%    |        | 56-121% |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-141                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-1                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 84.4     |
| Method:           | SW846 8270C SW846 3550B                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | H24775.D | 1  | 12/13/07 | SC | 12/12/07  | OP8697     | EH1391           |
| Run #2 |          |    |          |    |           |            |                  |

| Run #  | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 30.5 g         | 1.0 ml       |
| Run #2 |                |              |

## SW-846 8270C

| CAS No.  | Compound                   | Result  | MQL  | SDL   | Units | Q |
|----------|----------------------------|---------|------|-------|-------|---|
| 108-98-5 | Benzenethiol               | 0.19 U  | 0.19 | 0.19  | mg/kg |   |
| 65-85-0  | Benzoic acid               | 0.049 U | 0.97 | 0.049 | mg/kg |   |
| 95-57-8  | 2-Chlorophenol             | 0.060 U | 0.19 | 0.060 | mg/kg |   |
| 59-50-7  | 4-Chloro-3-methyl phenol   | 0.044 U | 0.19 | 0.044 | mg/kg |   |
| 120-83-2 | 2,4-Dichlorophenol         | 0.066 U | 0.19 | 0.066 | mg/kg |   |
| 105-67-9 | 2,4-Dimethylphenol         | 0.062 U | 0.19 | 0.062 | mg/kg |   |
| 51-28-5  | 2,4-Dinitrophenol          | 0.066 U | 0.97 | 0.066 | mg/kg |   |
| 534-52-1 | 4,6-Dinitro-o-cresol       | 0.12 U  | 0.39 | 0.12  | mg/kg |   |
| 95-48-7  | 2-Methylphenol             | 0.042 U | 0.19 | 0.042 | mg/kg |   |
|          | 3&4-Methylphenol           | 0.064 U | 0.19 | 0.064 | mg/kg |   |
| 100-02-7 | 4-Nitrophenol              | 0.077 U | 0.19 | 0.077 | mg/kg |   |
| 87-86-5  | Pentachlorophenol          | 0.051 U | 0.97 | 0.051 | mg/kg |   |
| 108-95-2 | Phenol                     | 0.078 U | 0.19 | 0.078 | mg/kg |   |
| 95-95-4  | 2,4,5-Trichlorophenol      | 0.054 U | 0.19 | 0.054 | mg/kg |   |
| 88-06-2  | 2,4,6-Trichlorophenol      | 0.052 U | 0.19 | 0.052 | mg/kg |   |
| 83-32-9  | Acenaphthene               | 0.047 U | 0.19 | 0.047 | mg/kg |   |
| 208-96-8 | Acenaphthylene             | 0.052 U | 0.19 | 0.052 | mg/kg |   |
| 120-12-7 | Anthracene                 | 0.063 U | 0.19 | 0.063 | mg/kg |   |
| 56-55-3  | Benzo(a)anthracene         | 0.072 U | 0.19 | 0.072 | mg/kg |   |
| 50-32-8  | Benzo(a)pyrene             | 0.063 U | 0.19 | 0.063 | mg/kg |   |
| 205-99-2 | Benzo(b)fluoranthene       | 0.082 U | 0.19 | 0.082 | mg/kg |   |
| 191-24-2 | Benzo(g,h,i)perylene       | 0.11 U  | 0.19 | 0.11  | mg/kg |   |
| 207-08-9 | Benzo(k)fluoranthene       | 0.089 U | 0.19 | 0.089 | mg/kg |   |
| 101-55-3 | 4-Bromophenyl phenyl ether | 0.074 U | 0.19 | 0.074 | mg/kg |   |
| 85-68-7  | Butyl benzyl phthalate     | 0.093 U | 0.19 | 0.093 | mg/kg |   |
| 100-51-6 | Benzyl Alcohol             | 0.069 U | 0.19 | 0.069 | mg/kg |   |
| 91-58-7  | 2-Chloronaphthalene        | 0.054 U | 0.19 | 0.054 | mg/kg |   |
| 106-47-8 | 4-Chloroaniline            | 0.055 U | 0.19 | 0.055 | mg/kg |   |
| 86-74-8  | Carbazole                  | 0.083 U | 0.19 | 0.083 | mg/kg |   |
| 218-01-9 | Chrysene                   | 0.064 U | 0.19 | 0.064 | mg/kg |   |
| 111-91-1 | bis(2-Chloroethoxy)methane | 0.073 U | 0.19 | 0.073 | mg/kg |   |
| 111-44-4 | bis(2-Chloroethyl)ether    | 0.042 U | 0.19 | 0.042 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-141                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-1                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 84.4     |
| Method:           | SW846 8270C SW846 3550B                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8270C

| CAS No.   | Compound                       | Result  | MQL  | SDL   | Units | Q |
|-----------|--------------------------------|---------|------|-------|-------|---|
| 7005-72-3 | 4-Chlorophenyl phenyl ether    | 0.059 U | 0.19 | 0.059 | mg/kg |   |
| 95-50-1   | 1,2-Dichlorobenzene            | 0.066 U | 0.19 | 0.066 | mg/kg |   |
| 541-73-1  | 1,3-Dichlorobenzene            | 0.060 U | 0.19 | 0.060 | mg/kg |   |
| 106-46-7  | 1,4-Dichlorobenzene            | 0.054 U | 0.19 | 0.054 | mg/kg |   |
| 121-14-2  | 2,4-Dinitrotoluene             | 0.085 U | 0.19 | 0.085 | mg/kg |   |
| 606-20-2  | 2,6-Dinitrotoluene             | 0.050 U | 0.19 | 0.050 | mg/kg |   |
| 91-94-1   | 3,3'-Dichlorobenzidine         | 0.079 U | 0.39 | 0.079 | mg/kg |   |
| 57-97-6   | 7,12-Dimethylbenz(a)anthracene | 0.19 U  | 0.19 | 0.19  | mg/kg |   |
| 226-36-8  | Dibenz(a,h)acridine            | 0.19 U  | 0.19 | 0.19  | mg/kg |   |
| 53-70-3   | Dibenzo(a,h)anthracene         | 0.068 U | 0.19 | 0.068 | mg/kg |   |
| 132-64-9  | Dibenzofuran                   | 0.054 U | 0.19 | 0.054 | mg/kg |   |
| 122-39-4  | Diphenylamine                  | 0.085 U | 0.19 | 0.085 | mg/kg |   |
| 84-74-2   | Di-n-butyl phthalate           | 0.095 U | 0.19 | 0.095 | mg/kg |   |
| 117-84-0  | Di-n-octyl phthalate           | 0.18 U  | 0.19 | 0.18  | mg/kg |   |
| 84-66-2   | Diethyl phthalate              | 0.054 U | 0.19 | 0.054 | mg/kg |   |
| 131-11-3  | Dimethyl phthalate             | 0.048 U | 0.19 | 0.048 | mg/kg |   |
| 117-81-7  | bis(2-Ethylhexyl)phthalate     | 0.097 U | 0.19 | 0.097 | mg/kg |   |
| 206-44-0  | Fluoranthene                   | 0.087 U | 0.19 | 0.087 | mg/kg |   |
| 86-73-7   | Fluorene                       | 0.059 U | 0.19 | 0.059 | mg/kg |   |
| 118-74-1  | Hexachlorobenzene              | 0.064 U | 0.19 | 0.064 | mg/kg |   |
| 87-68-3   | Hexachlorobutadiene            | 0.059 U | 0.19 | 0.059 | mg/kg |   |
| 77-47-4   | Hexachlorocyclopentadiene      | 0.070 U | 0.19 | 0.070 | mg/kg |   |
| 67-72-1   | Hexachloroethane               | 0.057 U | 0.19 | 0.057 | mg/kg |   |
| 95-13-6   | Indene                         | 0.97 U  | 0.97 | 0.97  | mg/kg |   |
| 193-39-5  | Indeno(1,2,3-cd)pyrene         | 0.075 U | 0.19 | 0.075 | mg/kg |   |
| 78-59-1   | Isophorone                     | 0.051 U | 0.19 | 0.051 | mg/kg |   |
| 90-12-0   | 1-Methylnaphthalene            | 0.046 U | 0.19 | 0.046 | mg/kg |   |
| 91-57-6   | 2-Methylnaphthalene            | 0.052 U | 0.19 | 0.052 | mg/kg |   |
|           | 6-Methyl Chrysene              | 0.19 U  | 0.19 | 0.19  | mg/kg |   |
| 88-74-4   | 2-Nitroaniline                 | 0.050 U | 0.19 | 0.050 | mg/kg |   |
| 99-09-2   | 3-Nitroaniline                 | 0.073 U | 0.19 | 0.073 | mg/kg |   |
| 100-01-6  | 4-Nitroaniline                 | 0.11 U  | 0.19 | 0.11  | mg/kg |   |
| 91-20-3   | Naphthalene                    | 0.047 U | 0.19 | 0.047 | mg/kg |   |
| 98-95-3   | Nitrobenzene                   | 0.054 U | 0.19 | 0.054 | mg/kg |   |
| 621-64-7  | N-Nitroso-di-n-propylamine     | 0.078 U | 0.19 | 0.078 | mg/kg |   |
| 86-30-6   | N-Nitrosodiphenylamine         | 0.085 U | 0.19 | 0.085 | mg/kg |   |
| 85-01-8   | Phenanthrene                   | 0.072 U | 0.19 | 0.072 | mg/kg |   |
| 129-00-0  | Pyrene                         | 0.095 U | 0.19 | 0.095 | mg/kg |   |
| 91-22-5   | Quinoline                      | 0.19 U  | 0.19 | 0.19  | mg/kg |   |
| 120-82-1  | 1,2,4-Trichlorobenzene         | 0.051 U | 0.19 | 0.051 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|  |  |                                |
|--|--|--------------------------------|
| <b>Client Sample ID:</b> FR-141                              |  | <b>Date Sampled:</b> 12/11/07  |
| <b>Lab Sample ID:</b> T20073-1                               |  | <b>Date Received:</b> 12/12/07 |
| <b>Matrix:</b> SO - Soil                                     |  | <b>Percent Solids:</b> 84.4    |
| <b>Method:</b> SW846 8270C SW846 3550B                       |  |                                |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |  |                                |

**SW-846 8270C**

| CAS No.  | Compound                | Result | MQL  | SDL  | Units | Q |
|----------|-------------------------|--------|------|------|-------|---|
|          | 1,3&1,4-Cyclohexanediol | 0.19 U | 0.19 | 0.19 | mg/kg |   |
| 931-17-9 | 1,2-Cyclohexanediol     | 0.19 U | 0.19 | 0.19 | mg/kg |   |
| 98-85-1  | 1-Phenylethanol         | 0.19 U | 0.19 | 0.19 | mg/kg |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 367-12-4  | 2-Fluorophenol       | 67%    |        | 26-124% |
| 4165-62-2 | Phenol-d5            | 70%    |        | 19-106% |
| 118-79-6  | 2,4,6-Tribromophenol | 59%    |        | 18-129% |
| 4165-60-0 | Nitrobenzene-d5      | 63%    |        | 18-104% |
| 321-60-8  | 2-Fluorobiphenyl     | 65%    |        | 21-114% |
| 1718-51-0 | Terphenyl-d14        | 73%    |        | 24-149% |

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-141                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-1                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 84.4     |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## Metals Analysis

| Analyte   | Result    | MQL   | SDL     | Units | DF | Prep     | Analyzed By | Method | Prep Method                                       |
|-----------|-----------|-------|---------|-------|----|----------|-------------|--------|---|
| Aluminum  | 2390      | 22    | 4.9     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Antimony  | 0.30 U    | 1.1   | 0.30    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Arsenic   | 1.6       | 1.1   | 0.22    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Barium    | 514       | 22    | 0.067   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Beryllium | 0.11 B    | 0.56  | 0.022   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Cadmium   | 0.11 U    | 0.56  | 0.11    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Calcium   | 29100     | 560   | 1.9     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Chromium  | 2.4       | 1.1   | 0.079   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Cobalt    | 0.95 B    | 5.6   | 0.20    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Copper    | 2.8       | 2.8   | 0.15    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Iron      | 2260      | 11    | 2.5     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Lead      | 4.2       | 1.1   | 0.45    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Magnesium | 3770      | 560   | 1.3     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Manganese | 77.0      | 1.7   | 0.079   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Mercury   | 0.00075 U | 0.019 | 0.00075 | mg/kg | 1  | 12/20/07 | 12/20/07    | NS     | SW846 7471A <sup>1</sup> SW846 7471A <sup>4</sup> |
| Nickel    | 1.3 B     | 4.5   | 0.15    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Potassium | 997       | 560   | 35      | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Selenium  | 0.27 U    | 1.1   | 0.27    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Silver    | 0.090 U   | 1.1   | 0.090   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Sodium    | 16100     | 560   | 30      | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Thallium  | 0.56 U    | 2.2   | 0.56    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Vanadium  | 6.0       | 5.6   | 0.13    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Zinc      | 29.6      | 2.2   | 0.45    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |

(1) Instrument QC Batch: MA3291

(2) Instrument QC Batch: MA3293

(3) Prep QC Batch: MP7062

(4) Prep QC Batch: MP7072

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result > = SDL but < MQL

## Report of Analysis

|  |  |                                |
|--|--|--------------------------------|
| <b>Client Sample ID:</b> FR-141                              |  | <b>Date Sampled:</b> 12/11/07  |
| <b>Lab Sample ID:</b> T20073-1                               |  | <b>Date Received:</b> 12/12/07 |
| <b>Matrix:</b> SO - Soil                                     |  | <b>Percent Solids:</b> 84.4    |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |  |                                |

**General Chemistry**

| Analyte                           | Result | MQL | SDL | Units | DF | Analyzed | By  | Method            |
|-----------------------------------|--------|-----|-----|-------|----|----------|-----|-------------------|
| Chromium, Hexavalent <sup>a</sup> | 1.2 U  | 2.4 | 1.2 | mg/kg | 1  | 12/28/07 | AFL | SW846 3060A/7196A |
| Solids, Percent                   | 84.4   |     |     | %     | 1  | 12/14/07 | SS  | EPA 160.3 M       |

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

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MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-142                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-2                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 82.8     |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|------------|----|----------|----|-----------|------------|------------------|
| Run #1 | M0001277.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |
| Run #2 |            |    |          |    |           |            |                  |

| Run #  | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 5.29 g         | 5.0 ml       |
| Run #2 |                |              |

## SW-846 8260B

| CAS No.    | Compound                    | Result   | ML     | SDL    | Units | Q |
|------------|-----------------------------|----------|--------|--------|-------|---|
| 67-64-1    | Acetone                     | 0.0082 U | 0.057  | 0.0082 | mg/kg |   |
| 71-43-2    | Benzene                     | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 108-86-1   | Bromobenzene                | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 74-97-5    | Bromochloromethane          | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 75-27-4    | Bromodichloromethane        | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 75-25-2    | Bromoform                   | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 71-36-3    | n-Butyl Alcohol             | 0.057 U  | 0.057  | 0.057  | mg/kg |   |
| 104-51-8   | n-Butylbenzene              | 0.0011 U | 0.0057 | 0.0011 | mg/kg |   |
| 98-06-6    | tert-Butylbenzene           | 0.0012 U | 0.0057 | 0.0012 | mg/kg |   |
| 108-90-7   | Chlorobenzene               | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 75-00-3    | Chloroethane                | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 67-66-3    | Chloroform                  | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 95-49-8    | o-Chlorotoluene             | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 106-43-4   | p-Chlorotoluene             | 0.0013 U | 0.0057 | 0.0013 | mg/kg |   |
| 75-15-0    | Carbon disulfide            | 0.0014 U | 0.011  | 0.0014 | mg/kg |   |
| 56-23-5    | Carbon tetrachloride        | 0.0013 U | 0.0057 | 0.0013 | mg/kg |   |
| 110-82-7   | Cyclohexane                 | 0.0013 U | 0.0057 | 0.0013 | mg/kg |   |
| 75-34-3    | 1,1-Dichloroethane          | 0.0015 U | 0.0057 | 0.0015 | mg/kg |   |
| 75-35-4    | 1,1-Dichloroethylene        | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 563-58-6   | 1,1-Dichloropropene         | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 106-93-4   | 1,2-Dibromoethane           | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 107-06-2   | 1,2-Dichloroethane          | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 78-87-5    | 1,2-Dichloropropane         | 0.0017 U | 0.0057 | 0.0017 | mg/kg |   |
| 142-28-9   | 1,3-Dichloropropane         | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 123-91-1   | 1,4-Dioxane                 | 0.027 U  | 0.29   | 0.027  | mg/kg |   |
| 594-20-7   | 2,2-Dichloropropane         | 0.0013 U | 0.0057 | 0.0013 | mg/kg |   |
| 124-48-1   | Dibromochloromethane        | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 75-71-8    | Dichlorodifluoromethane     | 0.0012 U | 0.0057 | 0.0012 | mg/kg |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | 0.0015 U | 0.0057 | 0.0015 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-142                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-2                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 82.8     |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8260B

| CAS No.    | Compound                  | Result   | MQL    | SDL    | Units | Q |
|------------|---------------------------|----------|--------|--------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | 0.0015 U | 0.0057 | 0.0015 | mg/kg |   |
| 100-41-4   | Ethylbenzene              | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 60-29-7    | Ethyl Ether               | 0.0057 U | 0.0057 | 0.0057 | mg/kg |   |
| 110-54-3   | Hexane                    | 0.0012 U | 0.0057 | 0.0012 | mg/kg |   |
| 591-78-6   | 2-Hexanone                | 0.0078 U | 0.057  | 0.0078 | mg/kg |   |
| 87-68-3    | Hexachlorobutadiene       | 0.0013 U | 0.0057 | 0.0013 | mg/kg |   |
| 98-82-8    | Isopropylbenzene          | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 99-87-6    | p-Isopropyltoluene        | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 108-10-1   | 4-Methyl-2-pentanone      | 0.0080 U | 0.057  | 0.0080 | mg/kg |   |
| 74-83-9    | Methyl bromide            | 0.0017 U | 0.0057 | 0.0017 | mg/kg |   |
| 74-87-3    | Methyl chloride           | 0.0017 U | 0.0057 | 0.0017 | mg/kg |   |
| 74-95-3    | Methylene bromide         | 0.0023 U | 0.0057 | 0.0023 | mg/kg |   |
| 75-09-2    | Methylene chloride        | 0.0028 U | 0.011  | 0.0028 | mg/kg |   |
| 78-93-3    | Methyl ethyl ketone       | 0.0077 U | 0.057  | 0.0077 | mg/kg |   |
| 103-65-1   | n-Propylbenzene           | 0.0013 U | 0.0057 | 0.0013 | mg/kg |   |
| 100-42-5   | Styrene                   | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 71-55-6    | 1,1,1-Trichloroethane     | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 79-00-5    | 1,1,2-Trichloroethane     | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 96-18-4    | 1,2,3-Trichloropropane    | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | 0.0012 U | 0.0057 | 0.0012 | mg/kg |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | 0.0013 U | 0.0057 | 0.0013 | mg/kg |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | 0.0012 U | 0.0057 | 0.0012 | mg/kg |   |
| 127-18-4   | Tetrachloroethylene       | 0.0015 U | 0.0057 | 0.0015 | mg/kg |   |
| 108-88-3   | Toluene                   | 0.0014 U | 0.0057 | 0.0014 | mg/kg |   |
| 79-01-6    | Trichloroethylene         | 0.0015 U | 0.0057 | 0.0015 | mg/kg |   |
| 75-69-4    | Trichlorofluoromethane    | 0.0011 U | 0.0057 | 0.0011 | mg/kg |   |
| 75-01-4    | Vinyl chloride            | 0.0016 U | 0.0057 | 0.0016 | mg/kg |   |
| 108-05-4   | Vinyl Acetate             | 0.0087 U | 0.029  | 0.0087 | mg/kg |   |
| 1330-20-7  | Xylene (total)            | 0.0043 U | 0.017  | 0.0043 | mg/kg |   |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7  | Dibromofluoromethane  | 111%   |        | 68-127% |
| 2037-26-5  | Toluene-D8            | 119%   |        | 76-139% |
| 460-00-4   | 4-Bromofluorobenzene  | 118%   |        | 68-167% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 98%    |        | 56-121% |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-142                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-2                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 82.8     |
| Method:           | SW846 8270C SW846 3550B                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | H24776.D | 1  | 12/13/07 | SC | 12/12/07  | OP8697     | EH1391           |
| Run #2 |          |    |          |    |           |            |                  |

| Run #  | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 30.3 g         | 1.0 ml       |
| Run #2 |                |              |

## SW-846 8270C

| CAS No.  | Compound                   | Result  | MQL  | SDL   | Units | Q |
|----------|----------------------------|---------|------|-------|-------|---|
| 108-98-5 | Benzenethiol               | 0.20 U  | 0.20 | 0.20  | mg/kg |   |
| 65-85-0  | Benzoic acid               | 0.050 U | 1.0  | 0.050 | mg/kg |   |
| 95-57-8  | 2-Chlorophenol             | 0.061 U | 0.20 | 0.061 | mg/kg |   |
| 59-50-7  | 4-Chloro-3-methyl phenol   | 0.045 U | 0.20 | 0.045 | mg/kg |   |
| 120-83-2 | 2,4-Dichlorophenol         | 0.067 U | 0.20 | 0.067 | mg/kg |   |
| 105-67-9 | 2,4-Dimethylphenol         | 0.063 U | 0.20 | 0.063 | mg/kg |   |
| 51-28-5  | 2,4-Dinitrophenol          | 0.067 U | 1.0  | 0.067 | mg/kg |   |
| 534-52-1 | 4,6-Dinitro-o-cresol       | 0.13 U  | 0.40 | 0.13  | mg/kg |   |
| 95-48-7  | 2-Methylphenol             | 0.043 U | 0.20 | 0.043 | mg/kg |   |
|          | 3&4-Methylphenol           | 0.065 U | 0.20 | 0.065 | mg/kg |   |
| 100-02-7 | 4-Nitrophenol              | 0.079 U | 0.20 | 0.079 | mg/kg |   |
| 87-86-5  | Pentachlorophenol          | 0.053 U | 1.0  | 0.053 | mg/kg |   |
| 108-95-2 | Phenol                     | 0.080 U | 0.20 | 0.080 | mg/kg |   |
| 95-95-4  | 2,4,5-Trichlorophenol      | 0.056 U | 0.20 | 0.056 | mg/kg |   |
| 88-06-2  | 2,4,6-Trichlorophenol      | 0.053 U | 0.20 | 0.053 | mg/kg |   |
| 83-32-9  | Acenaphthene               | 0.048 U | 0.20 | 0.048 | mg/kg |   |
| 208-96-8 | Acenaphthylene             | 0.054 U | 0.20 | 0.054 | mg/kg |   |
| 120-12-7 | Anthracene                 | 0.065 U | 0.20 | 0.065 | mg/kg |   |
| 56-55-3  | Benzo(a)anthracene         | 0.074 U | 0.20 | 0.074 | mg/kg |   |
| 50-32-8  | Benzo(a)pyrene             | 0.065 U | 0.20 | 0.065 | mg/kg |   |
| 205-99-2 | Benzo(b)fluoranthene       | 0.084 U | 0.20 | 0.084 | mg/kg |   |
| 191-24-2 | Benzo(g,h,i)perylene       | 0.11 U  | 0.20 | 0.11  | mg/kg |   |
| 207-08-9 | Benzo(k)fluoranthene       | 0.092 U | 0.20 | 0.092 | mg/kg |   |
| 101-55-3 | 4-Bromophenyl phenyl ether | 0.076 U | 0.20 | 0.076 | mg/kg |   |
| 85-68-7  | Butyl benzyl phthalate     | 0.095 U | 0.20 | 0.095 | mg/kg |   |
| 100-51-6 | Benzyl Alcohol             | 0.071 U | 0.20 | 0.071 | mg/kg |   |
| 91-58-7  | 2-Chloronaphthalene        | 0.055 U | 0.20 | 0.055 | mg/kg |   |
| 106-47-8 | 4-Chloroaniline            | 0.056 U | 0.20 | 0.056 | mg/kg |   |
| 86-74-8  | Carbazole                  | 0.086 U | 0.20 | 0.086 | mg/kg |   |
| 218-01-9 | Chrysene                   | 0.065 U | 0.20 | 0.065 | mg/kg |   |
| 111-91-1 | bis(2-Chloroethoxy)methane | 0.075 U | 0.20 | 0.075 | mg/kg |   |
| 111-44-4 | bis(2-Chloroethyl)ether    | 0.043 U | 0.20 | 0.043 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-142                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-2                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 82.8     |
| Method:           | SW846 8270C SW846 3550B                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8270C

| CAS No.   | Compound                       | Result  | MQL  | SDL   | Units | Q |
|-----------|--------------------------------|---------|------|-------|-------|---|
| 7005-72-3 | 4-Chlorophenyl phenyl ether    | 0.061 U | 0.20 | 0.061 | mg/kg |   |
| 95-50-1   | 1,2-Dichlorobenzene            | 0.068 U | 0.20 | 0.068 | mg/kg |   |
| 541-73-1  | 1,3-Dichlorobenzene            | 0.062 U | 0.20 | 0.062 | mg/kg |   |
| 106-46-7  | 1,4-Dichlorobenzene            | 0.055 U | 0.20 | 0.055 | mg/kg |   |
| 121-14-2  | 2,4-Dinitrotoluene             | 0.087 U | 0.20 | 0.087 | mg/kg |   |
| 606-20-2  | 2,6-Dinitrotoluene             | 0.051 U | 0.20 | 0.051 | mg/kg |   |
| 91-94-1   | 3,3'-Dichlorobenzidine         | 0.081 U | 0.40 | 0.081 | mg/kg |   |
| 57-97-6   | 7,12-Dimethylbenz(a)anthracene | 0.20 U  | 0.20 | 0.20  | mg/kg |   |
| 226-36-8  | Dibenz(a,h)acridine            | 0.20 U  | 0.20 | 0.20  | mg/kg |   |
| 53-70-3   | Dibenzo(a,h)anthracene         | 0.069 U | 0.20 | 0.069 | mg/kg |   |
| 132-64-9  | Dibenzofuran                   | 0.055 U | 0.20 | 0.055 | mg/kg |   |
| 122-39-4  | Diphenylamine                  | 0.087 U | 0.20 | 0.087 | mg/kg |   |
| 84-74-2   | Di-n-butyl phthalate           | 0.098 U | 0.20 | 0.098 | mg/kg |   |
| 117-84-0  | Di-n-octyl phthalate           | 0.18 U  | 0.20 | 0.18  | mg/kg |   |
| 84-66-2   | Diethyl phthalate              | 0.055 U | 0.20 | 0.055 | mg/kg |   |
| 131-11-3  | Dimethyl phthalate             | 0.049 U | 0.20 | 0.049 | mg/kg |   |
| 117-81-7  | bis(2-Ethylhexyl)phthalate     | 0.099 U | 0.20 | 0.099 | mg/kg |   |
| 206-44-0  | Fluoranthene                   | 0.090 U | 0.20 | 0.090 | mg/kg |   |
| 86-73-7   | Fluorene                       | 0.061 U | 0.20 | 0.061 | mg/kg |   |
| 118-74-1  | Hexachlorobenzene              | 0.065 U | 0.20 | 0.065 | mg/kg |   |
| 87-68-3   | Hexachlorobutadiene            | 0.061 U | 0.20 | 0.061 | mg/kg |   |
| 77-47-4   | Hexachlorocyclopentadiene      | 0.072 U | 0.20 | 0.072 | mg/kg |   |
| 67-72-1   | Hexachloroethane               | 0.059 U | 0.20 | 0.059 | mg/kg |   |
| 95-13-6   | Indene                         | 1.0 U   | 1.0  | 1.0   | mg/kg |   |
| 193-39-5  | Indeno(1,2,3-cd)pyrene         | 0.077 U | 0.20 | 0.077 | mg/kg |   |
| 78-59-1   | Isophorone                     | 0.052 U | 0.20 | 0.052 | mg/kg |   |
| 90-12-0   | 1-Methylnaphthalene            | 0.047 U | 0.20 | 0.047 | mg/kg |   |
| 91-57-6   | 2-Methylnaphthalene            | 0.053 U | 0.20 | 0.053 | mg/kg |   |
|           | 6-Methyl Chrysene              | 0.20 U  | 0.20 | 0.20  | mg/kg |   |
| 88-74-4   | 2-Nitroaniline                 | 0.052 U | 0.20 | 0.052 | mg/kg |   |
| 99-09-2   | 3-Nitroaniline                 | 0.075 U | 0.20 | 0.075 | mg/kg |   |
| 100-01-6  | 4-Nitroaniline                 | 0.11 U  | 0.20 | 0.11  | mg/kg |   |
| 91-20-3   | Naphthalene                    | 0.048 U | 0.20 | 0.048 | mg/kg |   |
| 98-95-3   | Nitrobenzene                   | 0.056 U | 0.20 | 0.056 | mg/kg |   |
| 621-64-7  | N-Nitroso-di-n-propylamine     | 0.080 U | 0.20 | 0.080 | mg/kg |   |
| 86-30-6   | N-Nitrosodiphenylamine         | 0.087 U | 0.20 | 0.087 | mg/kg |   |
| 85-01-8   | Phenanthrene                   | 0.074 U | 0.20 | 0.074 | mg/kg |   |
| 129-00-0  | Pyrene                         | 0.097 U | 0.20 | 0.097 | mg/kg |   |
| 91-22-5   | Quinoline                      | 0.20 U  | 0.20 | 0.20  | mg/kg |   |
| 120-82-1  | 1,2,4-Trichlorobenzene         | 0.052 U | 0.20 | 0.052 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|  |  |                                |
|--|--|--------------------------------|
| <b>Client Sample ID:</b> FR-142                              |  | <b>Date Sampled:</b> 12/11/07  |
| <b>Lab Sample ID:</b> T20073-2                               |  | <b>Date Received:</b> 12/12/07 |
| <b>Matrix:</b> SO - Soil                                     |  | <b>Percent Solids:</b> 82.8    |
| <b>Method:</b> SW846 8270C SW846 3550B                       |  |                                |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |  |                                |

**SW-846 8270C**

| CAS No.  | Compound                | Result | MQL  | SDL  | Units | Q |
|----------|-------------------------|--------|------|------|-------|---|
|          | 1,3&1,4-Cyclohexanediol | 0.20 U | 0.20 | 0.20 | mg/kg |   |
| 931-17-9 | 1,2-Cyclohexanediol     | 0.20 U | 0.20 | 0.20 | mg/kg |   |
| 98-85-1  | 1-Phenylethanol         | 0.20 U | 0.20 | 0.20 | mg/kg |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 367-12-4  | 2-Fluorophenol       | 53%    |        | 26-124% |
| 4165-62-2 | Phenol-d5            | 59%    |        | 19-106% |
| 118-79-6  | 2,4,6-Tribromophenol | 52%    |        | 18-129% |
| 4165-60-0 | Nitrobenzene-d5      | 56%    |        | 18-104% |
| 321-60-8  | 2-Fluorobiphenyl     | 56%    |        | 21-114% |
| 1718-51-0 | Terphenyl-d14        | 66%    |        | 24-149% |

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-142                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-2                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 82.8     |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## Metals Analysis

| Analyte   | Result   | MQL   | SDL     | Units | DF | Prep     | Analyzed By | Method | Prep Method                                       |
|-----------|----------|-------|---------|-------|----|----------|-------------|--------|---|
| Aluminum  | 6460     | 20    | 4.3     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Antimony  | 0.26 U   | 0.98  | 0.26    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Arsenic   | 1.6      | 0.98  | 0.20    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Barium    | 117      | 20    | 0.059   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Beryllium | 0.23 B   | 0.49  | 0.020   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Cadmium   | 0.098 U  | 0.49  | 0.098   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Calcium   | 19400    | 490   | 1.7     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Chromium  | 4.6      | 0.98  | 0.068   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Cobalt    | 1.5 B    | 4.9   | 0.18    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Copper    | 3.2      | 2.4   | 0.13    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Iron      | 4220     | 9.8   | 2.2     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Lead      | 6.4      | 0.98  | 0.39    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Magnesium | 4720     | 490   | 1.1     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Manganese | 128      | 1.5   | 0.068   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Mercury   | 0.0034 B | 0.018 | 0.00070 | mg/kg | 1  | 12/20/07 | 12/20/07    | NS     | SW846 7471A <sup>1</sup> SW846 7471A <sup>4</sup> |
| Nickel    | 2.6 B    | 3.9   | 0.13    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Potassium | 1910     | 490   | 30      | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Selenium  | 0.23 U   | 0.98  | 0.23    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Silver    | 0.078 U  | 0.98  | 0.078   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Sodium    | 13800    | 490   | 26      | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Thallium  | 0.49 U   | 2.0   | 0.49    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Vanadium  | 9.7      | 4.9   | 0.12    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Zinc      | 41.1     | 2.0   | 0.39    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |

(1) Instrument QC Batch: MA3291

(2) Instrument QC Batch: MA3293

(3) Prep QC Batch: MP7062

(4) Prep QC Batch: MP7072

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

|  |                                |
|--|--------------------------------|
| <b>Client Sample ID:</b> FR-142                              | <b>Date Sampled:</b> 12/11/07  |
| <b>Lab Sample ID:</b> T20073-2                               | <b>Date Received:</b> 12/12/07 |
| <b>Matrix:</b> SO - Soil                                     | <b>Percent Solids:</b> 82.8    |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |                                |

### General Chemistry

| Analyte                           | Result | MQL | SDL | Units | DF | Analyzed | By  | Method            |
|-----------------------------------|--------|-----|-----|-------|----|----------|-----|-------------------|
| Chromium, Hexavalent <sup>a</sup> | 1.2 U  | 2.4 | 1.2 | mg/kg | 1  | 12/28/07 | AFL | SW846 3060A/7196A |
| Solids, Percent                   | 82.8   |     |     | %     | 1  | 12/14/07 | SS  | EPA 160.3 M       |

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-143                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-3                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 81.3     |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|------------|----|----------|----|-----------|------------|------------------|
| Run #1 | M0001278.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |
| Run #2 |            |    |          |    |           |            |                  |

| Run #  | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 5.13 g         | 5.0 ml       |
| Run #2 |                |              |

## SW-846 8260B

| CAS No.    | Compound                    | Result   | MQL    | SDL    | Units | Q |
|------------|-----------------------------|----------|--------|--------|-------|---|
| 67-64-1    | Acetone                     | 0.0086 U | 0.060  | 0.0086 | mg/kg |   |
| 71-43-2    | Benzene                     | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 108-86-1   | Bromobenzene                | 0.0015 U | 0.0060 | 0.0015 | mg/kg |   |
| 74-97-5    | Bromochloromethane          | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 75-27-4    | Bromodichloromethane        | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 75-25-2    | Bromoform                   | 0.0015 U | 0.0060 | 0.0015 | mg/kg |   |
| 71-36-3    | n-Butyl Alcohol             | 0.060 U  | 0.060  | 0.060  | mg/kg |   |
| 104-51-8   | n-Butylbenzene              | 0.0012 U | 0.0060 | 0.0012 | mg/kg |   |
| 98-06-6    | tert-Butylbenzene           | 0.0012 U | 0.0060 | 0.0012 | mg/kg |   |
| 108-90-7   | Chlorobenzene               | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 75-00-3    | Chloroethane                | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 67-66-3    | Chloroform                  | 0.0015 U | 0.0060 | 0.0015 | mg/kg |   |
| 95-49-8    | o-Chlorotoluene             | 0.0014 U | 0.0060 | 0.0014 | mg/kg |   |
| 106-43-4   | p-Chlorotoluene             | 0.0014 U | 0.0060 | 0.0014 | mg/kg |   |
| 75-15-0    | Carbon disulfide            | 0.0015 U | 0.012  | 0.0015 | mg/kg |   |
| 56-23-5    | Carbon tetrachloride        | 0.0013 U | 0.0060 | 0.0013 | mg/kg |   |
| 110-82-7   | Cyclohexane                 | 0.0014 U | 0.0060 | 0.0014 | mg/kg |   |
| 75-34-3    | 1,1-Dichloroethane          | 0.0016 U | 0.0060 | 0.0016 | mg/kg |   |
| 75-35-4    | 1,1-Dichloroethylene        | 0.0015 U | 0.0060 | 0.0015 | mg/kg |   |
| 563-58-6   | 1,1-Dichloropropene         | 0.0014 U | 0.0060 | 0.0014 | mg/kg |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 106-93-4   | 1,2-Dibromoethane           | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 107-06-2   | 1,2-Dichloroethane          | 0.0016 U | 0.0060 | 0.0016 | mg/kg |   |
| 78-87-5    | 1,2-Dichloropropane         | 0.0018 U | 0.0060 | 0.0018 | mg/kg |   |
| 142-28-9   | 1,3-Dichloropropane         | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 123-91-1   | 1,4-Dioxane                 | 0.029 U  | 0.30   | 0.029  | mg/kg |   |
| 594-20-7   | 2,2-Dichloropropane         | 0.0013 U | 0.0060 | 0.0013 | mg/kg |   |
| 124-48-1   | Dibromochloromethane        | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 75-71-8    | Dichlorodifluoromethane     | 0.0013 U | 0.0060 | 0.0013 | mg/kg |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | 0.0016 U | 0.0060 | 0.0016 | mg/kg |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | 0.0015 U | 0.0060 | 0.0015 | mg/kg |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | 0.0016 U | 0.0060 | 0.0016 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-143                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-3                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 81.3     |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8260B

| CAS No.    | Compound                  | Result   | MQL    | SDL    | Units | Q |
|------------|---------------------------|----------|--------|--------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | 0.0016 U | 0.0060 | 0.0016 | mg/kg |   |
| 100-41-4   | Ethylbenzene              | 0.0015 U | 0.0060 | 0.0015 | mg/kg |   |
| 60-29-7    | Ethyl Ether               | 0.0060 U | 0.0060 | 0.0060 | mg/kg |   |
| 110-54-3   | Hexane                    | 0.0013 U | 0.0060 | 0.0013 | mg/kg |   |
| 591-78-6   | 2-Hexanone                | 0.0082 U | 0.060  | 0.0082 | mg/kg |   |
| 87-68-3    | Hexachlorobutadiene       | 0.0014 U | 0.0060 | 0.0014 | mg/kg |   |
| 98-82-8    | Isopropylbenzene          | 0.0014 U | 0.0060 | 0.0014 | mg/kg |   |
| 99-87-6    | p-Isopropyltoluene        | 0.0014 U | 0.0060 | 0.0014 | mg/kg |   |
| 108-10-1   | 4-Methyl-2-pentanone      | 0.0084 U | 0.060  | 0.0084 | mg/kg |   |
| 74-83-9    | Methyl bromide            | 0.0018 U | 0.0060 | 0.0018 | mg/kg |   |
| 74-87-3    | Methyl chloride           | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 74-95-3    | Methylene bromide         | 0.0024 U | 0.0060 | 0.0024 | mg/kg |   |
| 75-09-2    | Methylene chloride        | 0.0029 U | 0.012  | 0.0029 | mg/kg |   |
| 78-93-3    | Methyl ethyl ketone       | 0.0081 U | 0.060  | 0.0081 | mg/kg |   |
| 103-65-1   | n-Propylbenzene           | 0.0013 U | 0.0060 | 0.0013 | mg/kg |   |
| 100-42-5   | Styrene                   | 0.0015 U | 0.0060 | 0.0015 | mg/kg |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 71-55-6    | 1,1,1-Trichloroethane     | 0.0014 U | 0.0060 | 0.0014 | mg/kg |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 79-00-5    | 1,1,2-Trichloroethane     | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | 0.0014 U | 0.0060 | 0.0014 | mg/kg |   |
| 96-18-4    | 1,2,3-Trichloropropane    | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | 0.0012 U | 0.0060 | 0.0012 | mg/kg |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | 0.0013 U | 0.0060 | 0.0013 | mg/kg |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | 0.0013 U | 0.0060 | 0.0013 | mg/kg |   |
| 127-18-4   | Tetrachloroethylene       | 0.0016 U | 0.0060 | 0.0016 | mg/kg |   |
| 108-88-3   | Toluene                   | 0.0015 U | 0.0060 | 0.0015 | mg/kg |   |
| 79-01-6    | Trichloroethylene         | 0.0015 U | 0.0060 | 0.0015 | mg/kg |   |
| 75-69-4    | Trichlorofluoromethane    | 0.0012 U | 0.0060 | 0.0012 | mg/kg |   |
| 75-01-4    | Vinyl chloride            | 0.0016 U | 0.0060 | 0.0016 | mg/kg |   |
| 108-05-4   | Vinyl Acetate             | 0.0091 U | 0.030  | 0.0091 | mg/kg |   |
| 1330-20-7  | Xylene (total)            | 0.0045 U | 0.018  | 0.0045 | mg/kg |   |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7  | Dibromofluoromethane  | 113%   |        | 68-127% |
| 2037-26-5  | Toluene-D8            | 122%   |        | 76-139% |
| 460-00-4   | 4-Bromofluorobenzene  | 122%   |        | 68-167% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 100%   |        | 56-121% |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-143                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-3                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 81.3     |
| Method:           | SW846 8270C SW846 3550B                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | H24777.D | 1  | 12/13/07 | SC | 12/12/07  | OP8697     | EH1391           |
| Run #2 |          |    |          |    |           |            |                  |

| Run #  | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 30.5 g         | 1.0 ml       |
| Run #2 |                |              |

## SW-846 8270C

| CAS No.  | Compound                   | Result  | MQL  | SDL   | Units | Q |
|----------|----------------------------|---------|------|-------|-------|---|
| 108-98-5 | Benzenethiol               | 0.20 U  | 0.20 | 0.20  | mg/kg |   |
| 65-85-0  | Benzoic acid               | 0.050 U | 1.0  | 0.050 | mg/kg |   |
| 95-57-8  | 2-Chlorophenol             | 0.062 U | 0.20 | 0.062 | mg/kg |   |
| 59-50-7  | 4-Chloro-3-methyl phenol   | 0.046 U | 0.20 | 0.046 | mg/kg |   |
| 120-83-2 | 2,4-Dichlorophenol         | 0.068 U | 0.20 | 0.068 | mg/kg |   |
| 105-67-9 | 2,4-Dimethylphenol         | 0.064 U | 0.20 | 0.064 | mg/kg |   |
| 51-28-5  | 2,4-Dinitrophenol          | 0.068 U | 1.0  | 0.068 | mg/kg |   |
| 534-52-1 | 4,6-Dinitro-o-cresol       | 0.13 U  | 0.40 | 0.13  | mg/kg |   |
| 95-48-7  | 2-Methylphenol             | 0.044 U | 0.20 | 0.044 | mg/kg |   |
|          | 3&4-Methylphenol           | 0.066 U | 0.20 | 0.066 | mg/kg |   |
| 100-02-7 | 4-Nitrophenol              | 0.080 U | 0.20 | 0.080 | mg/kg |   |
| 87-86-5  | Pentachlorophenol          | 0.053 U | 1.0  | 0.053 | mg/kg |   |
| 108-95-2 | Phenol                     | 0.081 U | 0.20 | 0.081 | mg/kg |   |
| 95-95-4  | 2,4,5-Trichlorophenol      | 0.057 U | 0.20 | 0.057 | mg/kg |   |
| 88-06-2  | 2,4,6-Trichlorophenol      | 0.054 U | 0.20 | 0.054 | mg/kg |   |
| 83-32-9  | Acenaphthene               | 0.049 U | 0.20 | 0.049 | mg/kg |   |
| 208-96-8 | Acenaphthylene             | 0.054 U | 0.20 | 0.054 | mg/kg |   |
| 120-12-7 | Anthracene                 | 0.066 U | 0.20 | 0.066 | mg/kg |   |
| 56-55-3  | Benzo(a)anthracene         | 0.075 U | 0.20 | 0.075 | mg/kg |   |
| 50-32-8  | Benzo(a)pyrene             | 0.066 U | 0.20 | 0.066 | mg/kg |   |
| 205-99-2 | Benzo(b)fluoranthene       | 0.085 U | 0.20 | 0.085 | mg/kg |   |
| 191-24-2 | Benzo(g,h,i)perylene       | 0.11 U  | 0.20 | 0.11  | mg/kg |   |
| 207-08-9 | Benzo(k)fluoranthene       | 0.093 U | 0.20 | 0.093 | mg/kg |   |
| 101-55-3 | 4-Bromophenyl phenyl ether | 0.077 U | 0.20 | 0.077 | mg/kg |   |
| 85-68-7  | Butyl benzyl phthalate     | 0.096 U | 0.20 | 0.096 | mg/kg |   |
| 100-51-6 | Benzyl Alcohol             | 0.071 U | 0.20 | 0.071 | mg/kg |   |
| 91-58-7  | 2-Chloronaphthalene        | 0.056 U | 0.20 | 0.056 | mg/kg |   |
| 106-47-8 | 4-Chloroaniline            | 0.057 U | 0.20 | 0.057 | mg/kg |   |
| 86-74-8  | Carbazole                  | 0.087 U | 0.20 | 0.087 | mg/kg |   |
| 218-01-9 | Chrysene                   | 0.066 U | 0.20 | 0.066 | mg/kg |   |
| 111-91-1 | bis(2-Chloroethoxy)methane | 0.075 U | 0.20 | 0.075 | mg/kg |   |
| 111-44-4 | bis(2-Chloroethyl)ether    | 0.043 U | 0.20 | 0.043 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-143                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-3                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 81.3     |
| Method:           | SW846 8270C SW846 3550B                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8270C

| CAS No.   | Compound                       | Result  | MQL  | SDL   | Units | Q |
|-----------|--------------------------------|---------|------|-------|-------|---|
| 7005-72-3 | 4-Chlorophenyl phenyl ether    | 0.062 U | 0.20 | 0.062 | mg/kg |   |
| 95-50-1   | 1,2-Dichlorobenzene            | 0.069 U | 0.20 | 0.069 | mg/kg |   |
| 541-73-1  | 1,3-Dichlorobenzene            | 0.063 U | 0.20 | 0.063 | mg/kg |   |
| 106-46-7  | 1,4-Dichlorobenzene            | 0.056 U | 0.20 | 0.056 | mg/kg |   |
| 121-14-2  | 2,4-Dinitrotoluene             | 0.088 U | 0.20 | 0.088 | mg/kg |   |
| 606-20-2  | 2,6-Dinitrotoluene             | 0.052 U | 0.20 | 0.052 | mg/kg |   |
| 91-94-1   | 3,3'-Dichlorobenzidine         | 0.082 U | 0.40 | 0.082 | mg/kg |   |
| 57-97-6   | 7,12-Dimethylbenz(a)anthracene | 0.20 U  | 0.20 | 0.20  | mg/kg |   |
| 226-36-8  | Dibenz(a,h)acridine            | 0.20 U  | 0.20 | 0.20  | mg/kg |   |
| 53-70-3   | Dibenzo(a,h)anthracene         | 0.070 U | 0.20 | 0.070 | mg/kg |   |
| 132-64-9  | Dibenzofuran                   | 0.056 U | 0.20 | 0.056 | mg/kg |   |
| 122-39-4  | Diphenylamine                  | 0.088 U | 0.20 | 0.088 | mg/kg |   |
| 84-74-2   | Di-n-butyl phthalate           | 0.099 U | 0.20 | 0.099 | mg/kg |   |
| 117-84-0  | Di-n-octyl phthalate           | 0.19 U  | 0.20 | 0.19  | mg/kg |   |
| 84-66-2   | Diethyl phthalate              | 0.056 U | 0.20 | 0.056 | mg/kg |   |
| 131-11-3  | Dimethyl phthalate             | 0.050 U | 0.20 | 0.050 | mg/kg |   |
| 117-81-7  | bis(2-Ethylhexyl)phthalate     | 0.10 U  | 0.20 | 0.10  | mg/kg |   |
| 206-44-0  | Fluoranthene                   | 0.091 U | 0.20 | 0.091 | mg/kg |   |
| 86-73-7   | Fluorene                       | 0.061 U | 0.20 | 0.061 | mg/kg |   |
| 118-74-1  | Hexachlorobenzene              | 0.066 U | 0.20 | 0.066 | mg/kg |   |
| 87-68-3   | Hexachlorobutadiene            | 0.061 U | 0.20 | 0.061 | mg/kg |   |
| 77-47-4   | Hexachlorocyclopentadiene      | 0.073 U | 0.20 | 0.073 | mg/kg |   |
| 67-72-1   | Hexachloroethane               | 0.059 U | 0.20 | 0.059 | mg/kg |   |
| 95-13-6   | Indene                         | 1.0 U   | 1.0  | 1.0   | mg/kg |   |
| 193-39-5  | Indeno(1,2,3-cd)pyrene         | 0.078 U | 0.20 | 0.078 | mg/kg |   |
| 78-59-1   | Isophorone                     | 0.053 U | 0.20 | 0.053 | mg/kg |   |
| 90-12-0   | 1-Methylnaphthalene            | 0.048 U | 0.20 | 0.048 | mg/kg |   |
| 91-57-6   | 2-Methylnaphthalene            | 0.054 U | 0.20 | 0.054 | mg/kg |   |
|           | 6-Methyl Chrysene              | 0.20 U  | 0.20 | 0.20  | mg/kg |   |
| 88-74-4   | 2-Nitroaniline                 | 0.052 U | 0.20 | 0.052 | mg/kg |   |
| 99-09-2   | 3-Nitroaniline                 | 0.075 U | 0.20 | 0.075 | mg/kg |   |
| 100-01-6  | 4-Nitroaniline                 | 0.11 U  | 0.20 | 0.11  | mg/kg |   |
| 91-20-3   | Naphthalene                    | 0.049 U | 0.20 | 0.049 | mg/kg |   |
| 98-95-3   | Nitrobenzene                   | 0.057 U | 0.20 | 0.057 | mg/kg |   |
| 621-64-7  | N-Nitroso-di-n-propylamine     | 0.081 U | 0.20 | 0.081 | mg/kg |   |
| 86-30-6   | N-Nitrosodiphenylamine         | 0.088 U | 0.20 | 0.088 | mg/kg |   |
| 85-01-8   | Phenanthrene                   | 0.075 U | 0.20 | 0.075 | mg/kg |   |
| 129-00-0  | Pyrene                         | 0.098 U | 0.20 | 0.098 | mg/kg |   |
| 91-22-5   | Quinoline                      | 0.20 U  | 0.20 | 0.20  | mg/kg |   |
| 120-82-1  | 1,2,4-Trichlorobenzene         | 0.053 U | 0.20 | 0.053 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|  |                                |
|--|--------------------------------|
| <b>Client Sample ID:</b> FR-143                              |                                |
| <b>Lab Sample ID:</b> T20073-3                               | <b>Date Sampled:</b> 12/11/07  |
| <b>Matrix:</b> SO - Soil                                     | <b>Date Received:</b> 12/12/07 |
| <b>Method:</b> SW846 8270C SW846 3550B                       | <b>Percent Solids:</b> 81.3    |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |                                |

**SW-846 8270C**

| CAS No.  | Compound                | Result | MQL  | SDL  | Units | Q |
|----------|-------------------------|--------|------|------|-------|---|
|          | 1,3&1,4-Cyclohexanediol | 0.20 U | 0.20 | 0.20 | mg/kg |   |
| 931-17-9 | 1,2-Cyclohexanediol     | 0.20 U | 0.20 | 0.20 | mg/kg |   |
| 98-85-1  | 1-Phenylethanol         | 0.20 U | 0.20 | 0.20 | mg/kg |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 367-12-4  | 2-Fluorophenol       | 63%    |        | 26-124% |
| 4165-62-2 | Phenol-d5            | 65%    |        | 19-106% |
| 118-79-6  | 2,4,6-Tribromophenol | 57%    |        | 18-129% |
| 4165-60-0 | Nitrobenzene-d5      | 63%    |        | 18-104% |
| 321-60-8  | 2-Fluorobiphenyl     | 61%    |        | 21-114% |
| 1718-51-0 | Terphenyl-d14        | 79%    |        | 24-149% |

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-143                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-3                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 81.3     |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## Metals Analysis

| Analyte   | Result   | MQL   | SDL     | Units | DF | Prep     | Analyzed By | Method                      | Prep Method              |
|-----------|----------|-------|---------|-------|----|----------|-------------|-----------------------------|--------------------------|
| Aluminum  | 5870     | 22    | 4.7     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Antimony  | 0.29 U   | 1.1   | 0.29    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Arsenic   | 1.6      | 1.1   | 0.22    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Barium    | 119      | 22    | 0.065   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Beryllium | 0.22 B   | 0.54  | 0.022   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Cadmium   | 0.11 U   | 0.54  | 0.11    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Calcium   | 19100    | 540   | 1.9     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Chromium  | 4.3      | 1.1   | 0.075   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Cobalt    | 1.3 B    | 5.4   | 0.19    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Copper    | 2.7      | 2.7   | 0.14    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Iron      | 3760     | 11    | 2.4     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Lead      | 7.0      | 1.1   | 0.43    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Magnesium | 4260     | 540   | 1.2     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Manganese | 73.2     | 1.6   | 0.075   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Mercury   | 0.0033 B | 0.019 | 0.00075 | mg/kg | 1  | 12/20/07 | 12/20/07    | NS SW846 7471A <sup>1</sup> | SW846 7471A <sup>4</sup> |
| Nickel    | 2.3 B    | 4.3   | 0.14    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Potassium | 1810     | 540   | 34      | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Selenium  | 1.9      | 1.1   | 0.26    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Silver    | 0.086 U  | 1.1   | 0.086   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Sodium    | 12600    | 540   | 29      | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Thallium  | 0.54 U   | 2.2   | 0.54    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Vanadium  | 9.5      | 5.4   | 0.13    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Zinc      | 23.4     | 2.2   | 0.43    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |

(1) Instrument QC Batch: MA3291

(2) Instrument QC Batch: MA3293

(3) Prep QC Batch: MP7062

(4) Prep QC Batch: MP7072

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis



|  |  |                                |
|--|--|--------------------------------|
| <b>Client Sample ID:</b> FR-143                              |  | <b>Date Sampled:</b> 12/11/07  |
| <b>Lab Sample ID:</b> T20073-3                               |  | <b>Date Received:</b> 12/12/07 |
| <b>Matrix:</b> SO - Soil                                     |  | <b>Percent Solids:</b> 81.3    |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |  |                                |

**General Chemistry**

| Analyte                           | Result | MQL | SDL | Units | DF | Analyzed | By  | Method            |
|-----------------------------------|--------|-----|-----|-------|----|----------|-----|-------------------|
| Chromium, Hexavalent <sup>a</sup> | 1.2 U  | 2.5 | 1.2 | mg/kg | 1  | 12/28/07 | AFL | SW846 3060A/7196A |
| Solids, Percent                   | 81.3   |     |     | %     | 1  | 12/14/07 | SS  | EPA 160.3 M       |

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-144                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-4                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 78.9     |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|------------|----|----------|----|-----------|------------|------------------|
| Run #1 | M0001279.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |
| Run #2 |            |    |          |    |           |            |                  |

| Run #  | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 5.28 g         | 5.0 ml       |
| Run #2 |                |              |

## SW-846 8260B

| CAS No.    | Compound                    | Result   | MLQ    | SDL    | Units | Q |
|------------|-----------------------------|----------|--------|--------|-------|---|
| 67-64-1    | Acetone                     | 0.0092   | 0.060  | 0.0086 | mg/kg | J |
| 71-43-2    | Benzene                     | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 108-86-1   | Bromobenzene                | 0.0015 U | 0.0060 | 0.0015 | mg/kg |   |
| 74-97-5    | Bromochloromethane          | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 75-27-4    | Bromodichloromethane        | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 75-25-2    | Bromoform                   | 0.0015 U | 0.0060 | 0.0015 | mg/kg |   |
| 71-36-3    | n-Butyl Alcohol             | 0.060 U  | 0.060  | 0.060  | mg/kg |   |
| 104-51-8   | n-Butylbenzene              | 0.0012 U | 0.0060 | 0.0012 | mg/kg |   |
| 98-06-6    | tert-Butylbenzene           | 0.0012 U | 0.0060 | 0.0012 | mg/kg |   |
| 108-90-7   | Chlorobenzene               | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 75-00-3    | Chloroethane                | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 67-66-3    | Chloroform                  | 0.0015 U | 0.0060 | 0.0015 | mg/kg |   |
| 95-49-8    | o-Chlorotoluene             | 0.0014 U | 0.0060 | 0.0014 | mg/kg |   |
| 106-43-4   | p-Chlorotoluene             | 0.0014 U | 0.0060 | 0.0014 | mg/kg |   |
| 75-15-0    | Carbon disulfide            | 0.0015 U | 0.012  | 0.0015 | mg/kg |   |
| 56-23-5    | Carbon tetrachloride        | 0.0013 U | 0.0060 | 0.0013 | mg/kg |   |
| 110-82-7   | Cyclohexane                 | 0.0014 U | 0.0060 | 0.0014 | mg/kg |   |
| 75-34-3    | 1,1-Dichloroethane          | 0.0016 U | 0.0060 | 0.0016 | mg/kg |   |
| 75-35-4    | 1,1-Dichloroethylene        | 0.0015 U | 0.0060 | 0.0015 | mg/kg |   |
| 563-58-6   | 1,1-Dichloropropene         | 0.0014 U | 0.0060 | 0.0014 | mg/kg |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 106-93-4   | 1,2-Dibromoethane           | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 107-06-2   | 1,2-Dichloroethane          | 0.0016 U | 0.0060 | 0.0016 | mg/kg |   |
| 78-87-5    | 1,2-Dichloropropane         | 0.0018 U | 0.0060 | 0.0018 | mg/kg |   |
| 142-28-9   | 1,3-Dichloropropane         | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 123-91-1   | 1,4-Dioxane                 | 0.029 U  | 0.30   | 0.029  | mg/kg |   |
| 594-20-7   | 2,2-Dichloropropane         | 0.0013 U | 0.0060 | 0.0013 | mg/kg |   |
| 124-48-1   | Dibromochloromethane        | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 75-71-8    | Dichlorodifluoromethane     | 0.0013 U | 0.0060 | 0.0013 | mg/kg |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | 0.0016 U | 0.0060 | 0.0016 | mg/kg |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | 0.0015 U | 0.0060 | 0.0015 | mg/kg |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | 0.0016 U | 0.0060 | 0.0016 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-144                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-4                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 78.9     |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8260B

| CAS No.    | Compound                  | Result   | MQL    | SDL    | Units | Q |
|------------|---------------------------|----------|--------|--------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | 0.0016 U | 0.0060 | 0.0016 | mg/kg |   |
| 100-41-4   | Ethylbenzene              | 0.0015 U | 0.0060 | 0.0015 | mg/kg |   |
| 60-29-7    | Ethyl Ether               | 0.0060 U | 0.0060 | 0.0060 | mg/kg |   |
| 110-54-3   | Hexane                    | 0.0013 U | 0.0060 | 0.0013 | mg/kg |   |
| 591-78-6   | 2-Hexanone                | 0.0082 U | 0.060  | 0.0082 | mg/kg |   |
| 87-68-3    | Hexachlorobutadiene       | 0.0014 U | 0.0060 | 0.0014 | mg/kg |   |
| 98-82-8    | Isopropylbenzene          | 0.0014 U | 0.0060 | 0.0014 | mg/kg |   |
| 99-87-6    | p-Isopropyltoluene        | 0.0014 U | 0.0060 | 0.0014 | mg/kg |   |
| 108-10-1   | 4-Methyl-2-pentanone      | 0.0084 U | 0.060  | 0.0084 | mg/kg |   |
| 74-83-9    | Methyl bromide            | 0.0018 U | 0.0060 | 0.0018 | mg/kg |   |
| 74-87-3    | Methyl chloride           | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 74-95-3    | Methylene bromide         | 0.0024 U | 0.0060 | 0.0024 | mg/kg |   |
| 75-09-2    | Methylene chloride        | 0.0029 U | 0.012  | 0.0029 | mg/kg |   |
| 78-93-3    | Methyl ethyl ketone       | 0.0081 U | 0.060  | 0.0081 | mg/kg |   |
| 103-65-1   | n-Propylbenzene           | 0.0013 U | 0.0060 | 0.0013 | mg/kg |   |
| 100-42-5   | Styrene                   | 0.0015 U | 0.0060 | 0.0015 | mg/kg |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 71-55-6    | 1,1,1-Trichloroethane     | 0.0014 U | 0.0060 | 0.0014 | mg/kg |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 79-00-5    | 1,1,2-Trichloroethane     | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | 0.0014 U | 0.0060 | 0.0014 | mg/kg |   |
| 96-18-4    | 1,2,3-Trichloropropane    | 0.0017 U | 0.0060 | 0.0017 | mg/kg |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | 0.0012 U | 0.0060 | 0.0012 | mg/kg |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | 0.0013 U | 0.0060 | 0.0013 | mg/kg |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | 0.0013 U | 0.0060 | 0.0013 | mg/kg |   |
| 127-18-4   | Tetrachloroethylene       | 0.0016 U | 0.0060 | 0.0016 | mg/kg |   |
| 108-88-3   | Toluene                   | 0.0015 U | 0.0060 | 0.0015 | mg/kg |   |
| 79-01-6    | Trichloroethylene         | 0.0015 U | 0.0060 | 0.0015 | mg/kg |   |
| 75-69-4    | Trichlorofluoromethane    | 0.0012 U | 0.0060 | 0.0012 | mg/kg |   |
| 75-01-4    | Vinyl chloride            | 0.0016 U | 0.0060 | 0.0016 | mg/kg |   |
| 108-05-4   | Vinyl Acetate             | 0.0091 U | 0.030  | 0.0091 | mg/kg |   |
| 1330-20-7  | Xylene (total)            | 0.0045 U | 0.018  | 0.0045 | mg/kg |   |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7  | Dibromofluoromethane  | 109%   |        | 68-127% |
| 2037-26-5  | Toluene-D8            | 114%   |        | 76-139% |
| 460-00-4   | 4-Bromofluorobenzene  | 114%   |        | 68-167% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 96%    |        | 56-121% |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-144                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-4                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 78.9     |
| Method:           | SW846 8270C SW846 3550B                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | A24862.D | 1  | 12/13/07 | SC | 12/12/07  | OP8697     | EA1542           |
| Run #2 |          |    |          |    |           |            |                  |

| Run #  | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 30.6 g         | 1.0 ml       |
| Run #2 |                |              |

## SW-846 8270C

| CAS No.  | Compound                   | Result  | MLQ  | SDL   | Units | Q |
|----------|----------------------------|---------|------|-------|-------|---|
| 108-98-5 | Benzenethiol               | 0.21 U  | 0.21 | 0.21  | mg/kg |   |
| 65-85-0  | Benzoic acid               | 0.052 U | 1.0  | 0.052 | mg/kg |   |
| 95-57-8  | 2-Chlorophenol             | 0.064 U | 0.21 | 0.064 | mg/kg |   |
| 59-50-7  | 4-Chloro-3-methyl phenol   | 0.047 U | 0.21 | 0.047 | mg/kg |   |
| 120-83-2 | 2,4-Dichlorophenol         | 0.070 U | 0.21 | 0.070 | mg/kg |   |
| 105-67-9 | 2,4-Dimethylphenol         | 0.066 U | 0.21 | 0.066 | mg/kg |   |
| 51-28-5  | 2,4-Dinitrophenol          | 0.070 U | 1.0  | 0.070 | mg/kg |   |
| 534-52-1 | 4,6-Dinitro-o-cresol       | 0.13 U  | 0.41 | 0.13  | mg/kg |   |
| 95-48-7  | 2-Methylphenol             | 0.045 U | 0.21 | 0.045 | mg/kg |   |
|          | 3&4-Methylphenol           | 0.068 U | 0.21 | 0.068 | mg/kg |   |
| 100-02-7 | 4-Nitrophenol              | 0.082 U | 0.21 | 0.082 | mg/kg |   |
| 87-86-5  | Pentachlorophenol          | 0.055 U | 1.0  | 0.055 | mg/kg |   |
| 108-95-2 | Phenol                     | 0.083 U | 0.21 | 0.083 | mg/kg |   |
| 95-95-4  | 2,4,5-Trichlorophenol      | 0.058 U | 0.21 | 0.058 | mg/kg |   |
| 88-06-2  | 2,4,6-Trichlorophenol      | 0.056 U | 0.21 | 0.056 | mg/kg |   |
| 83-32-9  | Acenaphthene               | 0.050 U | 0.21 | 0.050 | mg/kg |   |
| 208-96-8 | Acenaphthylene             | 0.056 U | 0.21 | 0.056 | mg/kg |   |
| 120-12-7 | Anthracene                 | 0.068 U | 0.21 | 0.068 | mg/kg |   |
| 56-55-3  | Benzo(a)anthracene         | 0.077 U | 0.21 | 0.077 | mg/kg |   |
| 50-32-8  | Benzo(a)pyrene             | 0.068 U | 0.21 | 0.068 | mg/kg |   |
| 205-99-2 | Benzo(b)fluoranthene       | 0.088 U | 0.21 | 0.088 | mg/kg |   |
| 191-24-2 | Benzo(g,h,i)perylene       | 0.11 U  | 0.21 | 0.11  | mg/kg |   |
| 207-08-9 | Benzo(k)fluoranthene       | 0.095 U | 0.21 | 0.095 | mg/kg |   |
| 101-55-3 | 4-Bromophenyl phenyl ether | 0.079 U | 0.21 | 0.079 | mg/kg |   |
| 85-68-7  | Butyl benzyl phthalate     | 0.099 U | 0.21 | 0.099 | mg/kg |   |
| 100-51-6 | Benzyl Alcohol             | 0.073 U | 0.21 | 0.073 | mg/kg |   |
| 91-58-7  | 2-Chloronaphthalene        | 0.058 U | 0.21 | 0.058 | mg/kg |   |
| 106-47-8 | 4-Chloroaniline            | 0.058 U | 0.21 | 0.058 | mg/kg |   |
| 86-74-8  | Carbazole                  | 0.089 U | 0.21 | 0.089 | mg/kg |   |
| 218-01-9 | Chrysene                   | 0.068 U | 0.21 | 0.068 | mg/kg |   |
| 111-91-1 | bis(2-Chloroethoxy)methane | 0.078 U | 0.21 | 0.078 | mg/kg |   |
| 111-44-4 | bis(2-Chloroethyl)ether    | 0.044 U | 0.21 | 0.044 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-144                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-4                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 78.9     |
| Method:           | SW846 8270C SW846 3550B                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8270C

| CAS No.   | Compound                       | Result  | MQL  | SDL   | Units | Q |
|-----------|--------------------------------|---------|------|-------|-------|---|
| 7005-72-3 | 4-Chlorophenyl phenyl ether    | 0.063 U | 0.21 | 0.063 | mg/kg |   |
| 95-50-1   | 1,2-Dichlorobenzene            | 0.071 U | 0.21 | 0.071 | mg/kg |   |
| 541-73-1  | 1,3-Dichlorobenzene            | 0.064 U | 0.21 | 0.064 | mg/kg |   |
| 106-46-7  | 1,4-Dichlorobenzene            | 0.058 U | 0.21 | 0.058 | mg/kg |   |
| 121-14-2  | 2,4-Dinitrotoluene             | 0.091 U | 0.21 | 0.091 | mg/kg |   |
| 606-20-2  | 2,6-Dinitrotoluene             | 0.054 U | 0.21 | 0.054 | mg/kg |   |
| 91-94-1   | 3,3'-Dichlorobenzidine         | 0.084 U | 0.41 | 0.084 | mg/kg |   |
| 57-97-6   | 7,12-Dimethylbenz(a)anthracene | 0.21 U  | 0.21 | 0.21  | mg/kg |   |
| 226-36-8  | Dibenz(a,h)acridine            | 0.21 U  | 0.21 | 0.21  | mg/kg |   |
| 53-70-3   | Dibenzo(a,h)anthracene         | 0.072 U | 0.21 | 0.072 | mg/kg |   |
| 132-64-9  | Dibenzofuran                   | 0.057 U | 0.21 | 0.057 | mg/kg |   |
| 122-39-4  | Diphenylamine                  | 0.091 U | 0.21 | 0.091 | mg/kg |   |
| 84-74-2   | Di-n-butyl phthalate           | 0.10 U  | 0.21 | 0.10  | mg/kg |   |
| 117-84-0  | Di-n-octyl phthalate           | 0.19 U  | 0.21 | 0.19  | mg/kg |   |
| 84-66-2   | Diethyl phthalate              | 0.058 U | 0.21 | 0.058 | mg/kg |   |
| 131-11-3  | Dimethyl phthalate             | 0.051 U | 0.21 | 0.051 | mg/kg |   |
| 117-81-7  | bis(2-Ethylhexyl)phthalate     | 0.444   | 0.21 | 0.10  | mg/kg |   |
| 206-44-0  | Fluoranthene                   | 0.093 U | 0.21 | 0.093 | mg/kg |   |
| 86-73-7   | Fluorene                       | 0.063 U | 0.21 | 0.063 | mg/kg |   |
| 118-74-1  | Hexachlorobenzene              | 0.068 U | 0.21 | 0.068 | mg/kg |   |
| 87-68-3   | Hexachlorobutadiene            | 0.063 U | 0.21 | 0.063 | mg/kg |   |
| 77-47-4   | Hexachlorocyclopentadiene      | 0.075 U | 0.21 | 0.075 | mg/kg |   |
| 67-72-1   | Hexachloroethane               | 0.061 U | 0.21 | 0.061 | mg/kg |   |
| 95-13-6   | Indene                         | 1.0 U   | 1.0  | 1.0   | mg/kg |   |
| 193-39-5  | Indeno(1,2,3-cd)pyrene         | 0.080 U | 0.21 | 0.080 | mg/kg |   |
| 78-59-1   | Isophorone                     | 0.054 U | 0.21 | 0.054 | mg/kg |   |
| 90-12-0   | 1-Methylnaphthalene            | 0.049 U | 0.21 | 0.049 | mg/kg |   |
| 91-57-6   | 2-Methylnaphthalene            | 0.055 U | 0.21 | 0.055 | mg/kg |   |
|           | 6-Methyl Chrysene              | 0.21 U  | 0.21 | 0.21  | mg/kg |   |
| 88-74-4   | 2-Nitroaniline                 | 0.054 U | 0.21 | 0.054 | mg/kg |   |
| 99-09-2   | 3-Nitroaniline                 | 0.078 U | 0.21 | 0.078 | mg/kg |   |
| 100-01-6  | 4-Nitroaniline                 | 0.11 U  | 0.21 | 0.11  | mg/kg |   |
| 91-20-3   | Naphthalene                    | 0.050 U | 0.21 | 0.050 | mg/kg |   |
| 98-95-3   | Nitrobenzene                   | 0.058 U | 0.21 | 0.058 | mg/kg |   |
| 621-64-7  | N-Nitroso-di-n-propylamine     | 0.083 U | 0.21 | 0.083 | mg/kg |   |
| 86-30-6   | N-Nitrosodiphenylamine         | 0.091 U | 0.21 | 0.091 | mg/kg |   |
| 85-01-8   | Phenanthrene                   | 0.077 U | 0.21 | 0.077 | mg/kg |   |
| 129-00-0  | Pyrene                         | 0.10 U  | 0.21 | 0.10  | mg/kg |   |
| 91-22-5   | Quinoline                      | 0.21 U  | 0.21 | 0.21  | mg/kg |   |
| 120-82-1  | 1,2,4-Trichlorobenzene         | 0.054 U | 0.21 | 0.054 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|  |  |                                |
|--|--|--------------------------------|
| <b>Client Sample ID:</b> FR-144                              |  | <b>Date Sampled:</b> 12/11/07  |
| <b>Lab Sample ID:</b> T20073-4                               |  | <b>Date Received:</b> 12/12/07 |
| <b>Matrix:</b> SO - Soil                                     |  | <b>Percent Solids:</b> 78.9    |
| <b>Method:</b> SW846 8270C SW846 3550B                       |  |                                |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |  |                                |

**SW-846 8270C**

| CAS No.  | Compound                | Result | MQL  | SDL  | Units | Q |
|----------|-------------------------|--------|------|------|-------|---|
|          | 1,3&1,4-Cyclohexanediol | 0.21 U | 0.21 | 0.21 | mg/kg |   |
| 931-17-9 | 1,2-Cyclohexanediol     | 0.21 U | 0.21 | 0.21 | mg/kg |   |
| 98-85-1  | 1-Phenylethanol         | 0.21 U | 0.21 | 0.21 | mg/kg |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 367-12-4  | 2-Fluorophenol       | 50%    |        | 26-124% |
| 4165-62-2 | Phenol-d5            | 54%    |        | 19-106% |
| 118-79-6  | 2,4,6-Tribromophenol | 62%    |        | 18-129% |
| 4165-60-0 | Nitrobenzene-d5      | 57%    |        | 18-104% |
| 321-60-8  | 2-Fluorobiphenyl     | 60%    |        | 21-114% |
| 1718-51-0 | Terphenyl-d14        | 102%   |        | 24-149% |

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-144                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-4                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 78.9     |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## Metals Analysis

| Analyte   | Result    | MQL   | SDL     | Units | DF | Prep     | Analyzed By | Method | Prep Method                                       |
|-----------|-----------|-------|---------|-------|----|----------|-------------|--------|---|
| Aluminum  | 1490      | 22    | 4.8     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Antimony  | 0.30 U    | 1.1   | 0.30    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Arsenic   | 1.7       | 1.1   | 0.22    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Barium    | 63.9      | 22    | 0.066   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Beryllium | 0.064 B   | 0.55  | 0.022   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Cadmium   | 0.11 U    | 0.55  | 0.11    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Calcium   | 10800     | 550   | 1.9     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Chromium  | 1.3       | 1.1   | 0.077   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Cobalt    | 0.46 B    | 5.5   | 0.20    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Copper    | 2.6 B     | 2.8   | 0.14    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Iron      | 1190      | 11    | 2.5     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Lead      | 2.4       | 1.1   | 0.44    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Magnesium | 4920      | 550   | 1.3     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Manganese | 54.9      | 1.7   | 0.077   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Mercury   | 0.00082 U | 0.021 | 0.00082 | mg/kg | 1  | 12/20/07 | 12/20/07    | NS     | SW846 7471A <sup>1</sup> SW846 7471A <sup>4</sup> |
| Nickel    | 0.83 B    | 4.4   | 0.14    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Potassium | 363 B     | 550   | 34      | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Selenium  | 0.26 U    | 1.1   | 0.26    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Silver    | 0.088 U   | 1.1   | 0.088   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Sodium    | 4460      | 550   | 30      | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Thallium  | 0.55 U    | 2.2   | 0.55    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Vanadium  | 3.0 B     | 5.5   | 0.13    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Zinc      | 34.5      | 2.2   | 0.44    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |

(1) Instrument QC Batch: MA3291

(2) Instrument QC Batch: MA3293

(3) Prep QC Batch: MP7062

(4) Prep QC Batch: MP7072

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-144                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-4                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 78.9     |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

### General Chemistry

| Analyte                           | Result | MQL | SDL | Units | DF | Analyzed | By  | Method            |
|-----------------------------------|--------|-----|-----|-------|----|----------|-----|-------------------|
| Chromium, Hexavalent <sup>a</sup> | 1.3 U  | 2.5 | 1.3 | mg/kg | 1  | 12/28/07 | AFL | SW846 3060A/7196A |
| Solids, Percent                   | 78.9   |     |     | %     | 1  | 12/14/07 | SS  | EPA 160.3 M       |

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-145                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-5                                     | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|------------|----|----------|----|-----------|------------|------------------|
| Run #1 | Y0018617.D | 1  | 12/13/07 | LJ | n/a       | n/a        | VY1521           |
| Run #2 |            |    |          |    |           |            |                  |

| Run #  | Purge Volume |
|--------|--------------|
| Run #1 | 5.0 ml       |
| Run #2 |              |

## SW-846 8260B

| CAS No.    | Compound                    | Result    | MLQ    | SDL     | Units | Q |
|------------|-----------------------------|-----------|--------|---------|-------|---|
| 67-64-1    | Acetone                     | 0.0026 U  | 0.050  | 0.0026  | mg/l  |   |
| 71-43-2    | Benzene                     | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |
| 108-86-1   | Bromobenzene                | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 74-97-5    | Bromochloromethane          | 0.00049 U | 0.0020 | 0.00049 | mg/l  |   |
| 75-27-4    | Bromodichloromethane        | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 75-25-2    | Bromoform                   | 0.0014 U  | 0.0020 | 0.0014  | mg/l  |   |
| 71-36-3    | n-Butyl Alcohol             | 0.020 U   | 0.020  | 0.020   | mg/l  |   |
| 104-51-8   | n-Butylbenzene              | 0.00055 U | 0.0020 | 0.00055 | mg/l  |   |
| 98-06-6    | tert-Butylbenzene           | 0.00083 U | 0.0020 | 0.00083 | mg/l  |   |
| 108-90-7   | Chlorobenzene               | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 75-00-3    | Chloroethane                | 0.00039 U | 0.0020 | 0.00039 | mg/l  |   |
| 67-66-3    | Chloroform                  | 0.00054 U | 0.0020 | 0.00054 | mg/l  |   |
| 95-49-8    | o-Chlorotoluene             | 0.00038 U | 0.0020 | 0.00038 | mg/l  |   |
| 106-43-4   | p-Chlorotoluene             | 0.00050 U | 0.0020 | 0.00050 | mg/l  |   |
| 75-15-0    | Carbon disulfide            | 0.00051 U | 0.0020 | 0.00051 | mg/l  |   |
| 56-23-5    | Carbon tetrachloride        | 0.00045 U | 0.0020 | 0.00045 | mg/l  |   |
| 110-82-7   | Cyclohexane                 | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 75-34-3    | 1,1-Dichloroethane          | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 75-35-4    | 1,1-Dichloroethylene        | 0.00048 U | 0.0020 | 0.00048 | mg/l  |   |
| 563-58-6   | 1,1-Dichloropropene         | 0.00035 U | 0.0020 | 0.00035 | mg/l  |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 0.0011 U  | 0.0020 | 0.0011  | mg/l  |   |
| 106-93-4   | 1,2-Dibromoethane           | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 107-06-2   | 1,2-Dichloroethane          | 0.00050 U | 0.0020 | 0.00050 | mg/l  |   |
| 78-87-5    | 1,2-Dichloropropane         | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 142-28-9   | 1,3-Dichloropropane         | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 123-91-1   | 1,4-Dioxane                 | 0.13 U    | 0.25   | 0.13    | mg/l  |   |
| 594-20-7   | 2,2-Dichloropropane         | 0.00058 U | 0.0020 | 0.00058 | mg/l  |   |
| 124-48-1   | Dibromochloromethane        | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |
| 75-71-8    | Dichlorodifluoromethane     | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | 0.00043 U | 0.0020 | 0.00043 | mg/l  |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-145                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-5                                     | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8260B

| CAS No.    | Compound                  | Result    | MQL    | SDL     | Units | Q |
|------------|---------------------------|-----------|--------|---------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | 0.00036 U | 0.0020 | 0.00036 | mg/l  |   |
| 100-41-4   | Ethylbenzene              | 0.00045 U | 0.0020 | 0.00045 | mg/l  |   |
| 60-29-7    | Ethyl Ether               | 0.0020 U  | 0.0020 | 0.0020  | mg/l  |   |
| 110-54-3   | hexane                    | 0.00061 U | 0.0020 | 0.00061 | mg/l  |   |
| 591-78-6   | 2-Hexanone                | 0.0024 U  | 0.010  | 0.0024  | mg/l  |   |
| 87-68-3    | Hexachlorobutadiene       | 0.0012 U  | 0.0020 | 0.0012  | mg/l  |   |
| 98-82-8    | Isopropylbenzene          | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 99-87-6    | p-Isopropyltoluene        | 0.00040 U | 0.0020 | 0.00040 | mg/l  |   |
| 108-10-1   | 4-Methyl-2-pentanone      | 0.0025 U  | 0.010  | 0.0025  | mg/l  |   |
| 74-83-9    | Methyl bromide            | 0.00054 U | 0.0020 | 0.00054 | mg/l  |   |
| 74-87-3    | Methyl chloride           | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 74-95-3    | Methylene bromide         | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 75-09-2    | Methylene chloride        | 0.00041 U | 0.0050 | 0.00041 | mg/l  |   |
| 78-93-3    | Methyl ethyl ketone       | 0.0025 U  | 0.010  | 0.0025  | mg/l  |   |
| 103-65-1   | n-Propylbenzene           | 0.00051 U | 0.0020 | 0.00051 | mg/l  |   |
| 100-42-5   | Styrene                   | 0.00035 U | 0.0020 | 0.00035 | mg/l  |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | 0.00037 U | 0.0020 | 0.00037 | mg/l  |   |
| 71-55-6    | 1,1,1-Trichloroethane     | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 79-00-5    | 1,1,2-Trichloroethane     | 0.00044 U | 0.0020 | 0.00044 | mg/l  |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | 0.00043 U | 0.0020 | 0.00043 | mg/l  |   |
| 96-18-4    | 1,2,3-Trichloropropane    | 0.00069 U | 0.0020 | 0.00069 | mg/l  |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | 0.00044 U | 0.0020 | 0.00044 | mg/l  |   |
| 127-18-4   | Tetrachloroethylene       | 0.00050 U | 0.0020 | 0.00050 | mg/l  |   |
| 108-88-3   | Toluene                   | 0.00048 U | 0.0020 | 0.00048 | mg/l  |   |
| 79-01-6    | Trichloroethylene         | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 75-69-4    | Trichlorofluoromethane    | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 75-01-4    | Vinyl chloride            | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 108-05-4   | Vinyl Acetate             | 0.0023 U  | 0.010  | 0.0023  | mg/l  |   |
| 1330-20-7  | Xylene (total)            | 0.0014 U  | 0.0060 | 0.0014  | mg/l  |   |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7  | Dibromofluoromethane  | 107%   |        | 76-125% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 108%   |        | 69-128% |
| 2037-26-5  | Toluene-D8            | 119%   |        | 80-121% |
| 460-00-4   | 4-Bromofluorobenzene  | 121%   |        | 69-142% |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-145                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-5                                     | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Method:           | SW846 8270C SW846 3510C                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | A24954.D | 1  | 12/19/07 | SC | 12/14/07  | OP8713     | EA1546           |
| Run #2 |          |    |          |    |           |            |                  |

| Run #  | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1000 ml        | 1.0 ml       |
| Run #2 |                |              |

## SW-846 8270C

| CAS No.   | Compound                    | Result    | ML     | SDL     | Units | Q |
|-----------|-----------------------------|-----------|--------|---------|-------|---|
| 108-98-5  | Benzenethiol                | 0.010 U   | 0.010  | 0.010   | mg/l  |   |
| 65-85-0   | Benzoic Acid                | 0.00058 U | 0.010  | 0.00058 | mg/l  |   |
| 95-57-8   | 2-Chlorophenol              | 0.0014 U  | 0.0050 | 0.0014  | mg/l  |   |
| 59-50-7   | 4-Chloro-3-methyl phenol    | 0.0012 U  | 0.0050 | 0.0012  | mg/l  |   |
| 120-83-2  | 2,4-Dichlorophenol          | 0.0018 U  | 0.0050 | 0.0018  | mg/l  |   |
| 105-67-9  | 2,4-Dimethylphenol          | 0.0026 U  | 0.0050 | 0.0026  | mg/l  |   |
| 51-28-5   | 2,4-Dinitrophenol           | 0.0024 U  | 0.025  | 0.0024  | mg/l  |   |
| 534-52-1  | 4,6-Dinitro-o-cresol        | 0.0039 U  | 0.010  | 0.0039  | mg/l  |   |
| 95-48-7   | 2-Methylphenol              | 0.0012 U  | 0.0050 | 0.0012  | mg/l  |   |
|           | 3&4-Methylphenol            | 0.0011 U  | 0.0050 | 0.0011  | mg/l  |   |
| 100-02-7  | 4-Nitrophenol               | 0.0017 U  | 0.025  | 0.0017  | mg/l  |   |
| 87-86-5   | Pentachlorophenol           | 0.0040 U  | 0.025  | 0.0040  | mg/l  |   |
| 108-95-2  | Phenol                      | 0.00052 U | 0.0050 | 0.00052 | mg/l  |   |
| 95-95-4   | 2,4,5-Trichlorophenol       | 0.0018 U  | 0.0050 | 0.0018  | mg/l  |   |
| 88-06-2   | 2,4,6-Trichlorophenol       | 0.0015 U  | 0.0050 | 0.0015  | mg/l  |   |
| 83-32-9   | Acenaphthene                | 0.0015 U  | 0.0050 | 0.0015  | mg/l  |   |
| 208-96-8  | Acenaphthylene              | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 120-12-7  | Anthracene                  | 0.0018 U  | 0.0050 | 0.0018  | mg/l  |   |
| 191-24-2  | Benzo(g,h,i)perylene        | 0.0025 U  | 0.0050 | 0.0025  | mg/l  |   |
| 101-55-3  | 4-Bromophenyl phenyl ether  | 0.0021 U  | 0.0050 | 0.0021  | mg/l  |   |
| 85-68-7   | Butyl benzyl phthalate      | 0.0017 U  | 0.0050 | 0.0017  | mg/l  |   |
| 100-51-6  | Benzyl Alcohol              | 0.0019 U  | 0.0050 | 0.0019  | mg/l  |   |
| 91-58-7   | 2-Chloronaphthalene         | 0.0012 U  | 0.0050 | 0.0012  | mg/l  |   |
| 106-47-8  | 4-Chloroaniline             | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 86-74-8   | Carbazole                   | 0.0017 U  | 0.0050 | 0.0017  | mg/l  |   |
| 218-01-9  | Chrysene                    | 0.0013 U  | 0.0050 | 0.0013  | mg/l  |   |
| 111-91-1  | bis(2-Chloroethoxy)methane  | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 111-44-4  | bis(2-Chloroethyl)ether     | 0.0012 U  | 0.0050 | 0.0012  | mg/l  |   |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | 0.0015 U  | 0.0050 | 0.0015  | mg/l  |   |
| 95-50-1   | 1,2-Dichlorobenzene         | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 541-73-1  | 1,3-Dichlorobenzene         | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 106-46-7  | 1,4-Dichlorobenzene         | 0.0015 U  | 0.0050 | 0.0015  | mg/l  |   |

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-145                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-5                                     | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Method:           | SW846 8270C SW846 3510C                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8270C

| CAS No.  | Compound                       | Result   | MQL    | SDL    | Units | Q |
|----------|--------------------------------|----------|--------|--------|-------|---|
| 121-14-2 | 2,4-Dinitrotoluene             | 0.0024 U | 0.0050 | 0.0024 | mg/l  |   |
| 606-20-2 | 2,6-Dinitrotoluene             | 0.0017 U | 0.0050 | 0.0017 | mg/l  |   |
| 91-94-1  | 3,3'-Dichlorobenzidine         | 0.0037 U | 0.010  | 0.0037 | mg/l  |   |
| 57-97-6  | 7,12-Dimethylbenz(a)anthracene | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
| 226-36-8 | Dibenz(a,h)acridine            | 0.0010 U | 0.0050 | 0.0010 | mg/l  |   |
| 53-70-3  | Dibenzo(a,h)anthracene         | 0.0013 U | 0.0050 | 0.0013 | mg/l  |   |
| 132-64-9 | Dibenzofuran                   | 0.0023 U | 0.0050 | 0.0023 | mg/l  |   |
| 122-39-4 | Diphenylamine                  | 0.0019 U | 0.0050 | 0.0019 | mg/l  |   |
| 84-74-2  | Di-n-butyl phthalate           | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 117-84-0 | Di-n-octyl phthalate           | 0.0013 U | 0.0050 | 0.0013 | mg/l  |   |
| 84-66-2  | Diethyl phthalate              | 0.0011 U | 0.0050 | 0.0011 | mg/l  |   |
| 131-11-3 | Dimethyl phthalate             | 0.0018 U | 0.0050 | 0.0018 | mg/l  |   |
| 117-81-7 | bis(2-Ethylhexyl)phthalate     | 0.0015 U | 0.0050 | 0.0015 | mg/l  |   |
| 206-44-0 | Fluoranthene                   | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 86-73-7  | Fluorene                       | 0.0021 U | 0.0050 | 0.0021 | mg/l  |   |
| 118-74-1 | Hexachlorobenzene              | 0.0019 U | 0.0050 | 0.0019 | mg/l  |   |
| 87-68-3  | Hexachlorobutadiene            | 0.0019 U | 0.0050 | 0.0019 | mg/l  |   |
| 77-47-4  | Hexachlorocyclopentadiene      | 0.0014 U | 0.0050 | 0.0014 | mg/l  |   |
| 67-72-1  | Hexachloroethane               | 0.0017 U | 0.0050 | 0.0017 | mg/l  |   |
| 95-13-6  | Indene                         | 0.014 U  | 0.015  | 0.014  | mg/l  |   |
| 193-39-5 | Indeno(1,2,3-cd)pyrene         | 0.0024 U | 0.0050 | 0.0024 | mg/l  |   |
| 78-59-1  | Isophorone                     | 0.0012 U | 0.0050 | 0.0012 | mg/l  |   |
| 90-12-0  | 1-Methylnaphthalene            | 0.0017 U | 0.0050 | 0.0017 | mg/l  |   |
| 91-57-6  | 2-Methylnaphthalene            | 0.0020 U | 0.0050 | 0.0020 | mg/l  |   |
|          | 6-Methyl Chrysene              | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
| 88-74-4  | 2-Nitroaniline                 | 0.0021 U | 0.0050 | 0.0021 | mg/l  |   |
| 99-09-2  | 3-Nitroaniline                 | 0.0027 U | 0.0050 | 0.0027 | mg/l  |   |
| 100-01-6 | 4-Nitroaniline                 | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
| 91-20-3  | Naphthalene                    | 0.0015 U | 0.0050 | 0.0015 | mg/l  |   |
| 98-95-3  | Nitrobenzene                   | 0.0014 U | 0.0050 | 0.0014 | mg/l  |   |
| 621-64-7 | N-Nitroso-di-n-propylamine     | 0.0017 U | 0.0050 | 0.0017 | mg/l  |   |
| 86-30-6  | N-Nitrosodiphenylamine         | 0.0019 U | 0.0050 | 0.0019 | mg/l  |   |
| 85-01-8  | Phenanthrene                   | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 129-00-0 | Pyrene                         | 0.0011 U | 0.0050 | 0.0011 | mg/l  |   |
| 91-22-5  | Quinoline                      | 0.0010 U | 0.0050 | 0.0010 | mg/l  |   |
| 120-82-1 | 1,2,4-Trichlorobenzene         | 0.0010 U | 0.0050 | 0.0010 | mg/l  |   |
| 98-85-1  | 1-Phenylethanol                | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
| 931-17-9 | 1,2-Cyclohexanediol            | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
|          | 1,3&1,4-Cyclohexanediol        | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|  |  |                                |
|--|--|--------------------------------|
| <b>Client Sample ID:</b> FR-145                              |  | <b>Date Sampled:</b> 12/11/07  |
| <b>Lab Sample ID:</b> T20073-5                               |  | <b>Date Received:</b> 12/12/07 |
| <b>Matrix:</b> AQ - Water                                    |  | <b>Percent Solids:</b> n/a     |
| <b>Method:</b> SW846 8270C SW846 3510C                       |  |                                |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |  |                                |

**SW-846 8270C**

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 367-12-4  | 2-Fluorophenol       | 28%    |        | 10-66%  |
| 4165-62-2 | Phenol-d5            | 27%    |        | 10-53%  |
| 118-79-6  | 2,4,6-Tribromophenol | 72%    |        | 32-128% |
| 4165-60-0 | Nitrobenzene-d5      | 60%    |        | 29-115% |
| 321-60-8  | 2-Fluorobiphenyl     | 60%    |        | 34-113% |
| 1718-51-0 | Terphenyl-d14        | 65%    |        | 12-145% |

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|  |                                |
|--|--------------------------------|
| <b>Client Sample ID:</b> FR-145                              |                                |
| <b>Lab Sample ID:</b> T20073-5                               | <b>Date Sampled:</b> 12/11/07  |
| <b>Matrix:</b> AQ - Water                                    | <b>Date Received:</b> 12/12/07 |
| <b>Method:</b> SW846 8270C BY SIM SW846 3510C                | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |                                |

|        | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | A24955.D | 1  | 12/19/07 | SC | 12/14/07  | OP8714     | EA1546           |
| Run #2 |          |    |          |    |           |            |                  |

|        | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1000 ml        | 1.0 ml       |
| Run #2 |                |              |

**BN PAH List**

| CAS No.  | Compound             | Result     | MQL     | SDL      | Units | Q |
|----------|----------------------|------------|---------|----------|-------|---|
| 56-55-3  | Benzo(a)anthracene   | 0.000055 U | 0.00020 | 0.000055 | mg/l  |   |
| 50-32-8  | Benzo(a)pyrene       | 0.000099 U | 0.00020 | 0.000099 | mg/l  |   |
| 205-99-2 | Benzo(b)fluoranthene | 0.000056 U | 0.00020 | 0.000056 | mg/l  |   |
| 207-08-9 | Benzo(k)fluoranthene | 0.000046 U | 0.00020 | 0.000046 | mg/l  |   |

---

|   |                              |  |
|---|------------------------------|--|
| U = Not detected                              | SDL - Sample Detection Limit | J = Indicates an estimated value                       |
| MQL = Method Quantitation Limit               |                              | B = Indicates analyte found in associated method blank |
| E = Indicates value exceeds calibration range |                              | N = Indicates presumptive evidence of a compound       |

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-145                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-5                                     | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## Metals Analysis

| Analyte   | Result  | MQL  | SDL   | Units | DF | Prep     | Analyzed By | Method                      | Prep Method              |
|-----------|---------|------|-------|-------|----|----------|-------------|-----------------------------|--------------------------|
| Aluminum  | 86 U    | 200  | 86    | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>4</sup> |
| Antimony  | 2.7 U   | 5.0  | 2.7   | ug/l  | 1  | 12/20/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Arsenic   | 8.5     | 5.0  | 2.7   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>4</sup> |
| Barium    | 297     | 200  | 2.4   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>4</sup> |
| Beryllium | 0.27 B  | 5.0  | 0.26  | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>4</sup> |
| Cadmium   | 1.8 U   | 4.0  | 1.8   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>4</sup> |
| Calcium   | 34500   | 5000 | 170   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>4</sup> |
| Chromium  | 1.5 U   | 10   | 1.5   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>4</sup> |
| Cobalt    | 9.6 U   | 50   | 9.6   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>4</sup> |
| Copper    | 7.6 B   | 25   | 5.9   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>4</sup> |
| Iron      | 33.8 B  | 100  | 24    | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>4</sup> |
| Lead      | 3.4     | 3.0  | 2.8   | ug/l  | 1  | 12/20/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Magnesium | 192000  | 5000 | 13    | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>4</sup> |
| Manganese | 8.2 B   | 15   | 4.1   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>4</sup> |
| Mercury   | 0.094 U | 0.20 | 0.094 | ug/l  | 1  | 12/24/07 | 12/24/07    | NS SW846 7470A <sup>3</sup> | SW846 7470A <sup>5</sup> |
| Nickel    | 2.6 U   | 40   | 2.6   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>4</sup> |
| Potassium | 97900   | 5000 | 160   | ug/l  | 1  | 12/20/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Selenium  | 2.3 U   | 5.0  | 2.3   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>4</sup> |
| Silver    | 1.1 U   | 10   | 1.1   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>4</sup> |
| Sodium    | 1540000 | 5000 | 330   | ug/l  | 1  | 12/20/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Thallium  | 2.9 B   | 10   | 2.7   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>4</sup> |
| Vanadium  | 0.94 U  | 50   | 0.94  | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>4</sup> |
| Zinc      | 20.2    | 20   | 7.5   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>4</sup> |

- (1) Instrument QC Batch: MA3284  
(2) Instrument QC Batch: MA3293  
(3) Instrument QC Batch: MA3296  
(4) Prep QC Batch: MP7047  
(5) Prep QC Batch: MP7085

MQL = Method Quantitation Limit  
SDL = Sample Detection Limit

U = Indicates a result < SDL  
B = Indicates a result >= SDL but < MQL

## Report of Analysis

|  |                                |
|--|--------------------------------|
| <b>Client Sample ID:</b> FR-145                              | <b>Date Sampled:</b> 12/11/07  |
| <b>Lab Sample ID:</b> T20073-5                               | <b>Date Received:</b> 12/12/07 |
| <b>Matrix:</b> AQ - Water                                    | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |                                |

**General Chemistry**

| Analyte              | Result   | MQL   | SDL    | Units | DF | Analyzed       | By | Method      |
|----------------------|----------|-------|--------|-------|----|----------------|----|-------------|
| Chromium, Hexavalent | 0.0040 U | 0.010 | 0.0040 | mg/l  | 1  | 12/12/07 07:15 | SS | SW846 7196A |

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MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-146                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-6                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 64.8     |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|------------|----|----------|----|-----------|------------|------------------|
| Run #1 | M0001280.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |
| Run #2 |            |    |          |    |           |            |                  |

| Run #  | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 5.20 g         | 5.0 ml       |
| Run #2 |                |              |

## SW-846 8260B

| CAS No.    | Compound                    | Result   | MLQ    | SDL    | Units | Q |
|------------|-----------------------------|----------|--------|--------|-------|---|
| 67-64-1    | Acetone                     | 0.0420   | 0.074  | 0.011  | mg/kg | J |
| 71-43-2    | Benzene                     | 0.0021 U | 0.0074 | 0.0021 | mg/kg |   |
| 108-86-1   | Bromobenzene                | 0.0019 U | 0.0074 | 0.0019 | mg/kg |   |
| 74-97-5    | Bromochloromethane          | 0.0021 U | 0.0074 | 0.0021 | mg/kg |   |
| 75-27-4    | Bromodichloromethane        | 0.0021 U | 0.0074 | 0.0021 | mg/kg |   |
| 75-25-2    | Bromoform                   | 0.0018 U | 0.0074 | 0.0018 | mg/kg |   |
| 71-36-3    | n-Butyl Alcohol             | 0.074 U  | 0.074  | 0.074  | mg/kg |   |
| 104-51-8   | n-Butylbenzene              | 0.0014 U | 0.0074 | 0.0014 | mg/kg |   |
| 98-06-6    | tert-Butylbenzene           | 0.0015 U | 0.0074 | 0.0015 | mg/kg |   |
| 108-90-7   | Chlorobenzene               | 0.0021 U | 0.0074 | 0.0021 | mg/kg |   |
| 75-00-3    | Chloroethane                | 0.0021 U | 0.0074 | 0.0021 | mg/kg |   |
| 67-66-3    | Chloroform                  | 0.0019 U | 0.0074 | 0.0019 | mg/kg |   |
| 95-49-8    | o-Chlorotoluene             | 0.0018 U | 0.0074 | 0.0018 | mg/kg |   |
| 106-43-4   | p-Chlorotoluene             | 0.0017 U | 0.0074 | 0.0017 | mg/kg |   |
| 75-15-0    | Carbon disulfide            | 0.0019 U | 0.015  | 0.0019 | mg/kg |   |
| 56-23-5    | Carbon tetrachloride        | 0.0016 U | 0.0074 | 0.0016 | mg/kg |   |
| 110-82-7   | Cyclohexane                 | 0.0017 U | 0.0074 | 0.0017 | mg/kg |   |
| 75-34-3    | 1,1-Dichloroethane          | 0.0019 U | 0.0074 | 0.0019 | mg/kg |   |
| 75-35-4    | 1,1-Dichloroethylene        | 0.0019 U | 0.0074 | 0.0019 | mg/kg |   |
| 563-58-6   | 1,1-Dichloropropene         | 0.0018 U | 0.0074 | 0.0018 | mg/kg |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 0.0021 U | 0.0074 | 0.0021 | mg/kg |   |
| 106-93-4   | 1,2-Dibromoethane           | 0.0021 U | 0.0074 | 0.0021 | mg/kg |   |
| 107-06-2   | 1,2-Dichloroethane          | 0.0020 U | 0.0074 | 0.0020 | mg/kg |   |
| 78-87-5    | 1,2-Dichloropropane         | 0.0022 U | 0.0074 | 0.0022 | mg/kg |   |
| 142-28-9   | 1,3-Dichloropropane         | 0.0021 U | 0.0074 | 0.0021 | mg/kg |   |
| 123-91-1   | 1,4-Dioxane                 | 0.036 U  | 0.37   | 0.036  | mg/kg |   |
| 594-20-7   | 2,2-Dichloropropane         | 0.0016 U | 0.0074 | 0.0016 | mg/kg |   |
| 124-48-1   | Dibromochloromethane        | 0.0020 U | 0.0074 | 0.0020 | mg/kg |   |
| 75-71-8    | Dichlorodifluoromethane     | 0.0016 U | 0.0074 | 0.0016 | mg/kg |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | 0.0020 U | 0.0074 | 0.0020 | mg/kg |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | 0.0019 U | 0.0074 | 0.0019 | mg/kg |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | 0.0019 U | 0.0074 | 0.0019 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-146                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-6                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 64.8     |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8260B

| CAS No.    | Compound                  | Result   | MQL    | SDL    | Units | Q |
|------------|---------------------------|----------|--------|--------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | 0.0020 U | 0.0074 | 0.0020 | mg/kg |   |
| 100-41-4   | Ethylbenzene              | 0.0019 U | 0.0074 | 0.0019 | mg/kg |   |
| 60-29-7    | Ethyl Ether               | 0.0074 U | 0.0074 | 0.0074 | mg/kg |   |
| 110-54-3   | Hexane                    | 0.0016 U | 0.0074 | 0.0016 | mg/kg |   |
| 591-78-6   | 2-Hexanone                | 0.010 U  | 0.074  | 0.010  | mg/kg |   |
| 87-68-3    | Hexachlorobutadiene       | 0.0017 U | 0.0074 | 0.0017 | mg/kg |   |
| 98-82-8    | Isopropylbenzene          | 0.0018 U | 0.0074 | 0.0018 | mg/kg |   |
| 99-87-6    | p-Isopropyltoluene        | 0.0018 U | 0.0074 | 0.0018 | mg/kg |   |
| 108-10-1   | 4-Methyl-2-pentanone      | 0.010 U  | 0.074  | 0.010  | mg/kg |   |
| 74-83-9    | Methyl bromide            | 0.0022 U | 0.0074 | 0.0022 | mg/kg |   |
| 74-87-3    | Methyl chloride           | 0.0022 U | 0.0074 | 0.0022 | mg/kg |   |
| 74-95-3    | Methylene bromide         | 0.0030 U | 0.0074 | 0.0030 | mg/kg |   |
| 75-09-2    | Methylene chloride        | 0.0036 U | 0.015  | 0.0036 | mg/kg |   |
| 78-93-3    | Methyl ethyl ketone       | 0.0100   | 0.074  | 0.010  | mg/kg | J |
| 103-65-1   | n-Propylbenzene           | 0.0016 U | 0.0074 | 0.0016 | mg/kg |   |
| 100-42-5   | Styrene                   | 0.0019 U | 0.0074 | 0.0019 | mg/kg |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | 0.0021 U | 0.0074 | 0.0021 | mg/kg |   |
| 71-55-6    | 1,1,1-Trichloroethane     | 0.0018 U | 0.0074 | 0.0018 | mg/kg |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | 0.0021 U | 0.0074 | 0.0021 | mg/kg |   |
| 79-00-5    | 1,1,2-Trichloroethane     | 0.0020 U | 0.0074 | 0.0020 | mg/kg |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | 0.0018 U | 0.0074 | 0.0018 | mg/kg |   |
| 96-18-4    | 1,2,3-Trichloropropane    | 0.0021 U | 0.0074 | 0.0021 | mg/kg |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | 0.0015 U | 0.0074 | 0.0015 | mg/kg |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | 0.0016 U | 0.0074 | 0.0016 | mg/kg |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | 0.0016 U | 0.0074 | 0.0016 | mg/kg |   |
| 127-18-4   | Tetrachloroethylene       | 0.0020 U | 0.0074 | 0.0020 | mg/kg |   |
| 108-88-3   | Toluene                   | 0.0019 U | 0.0074 | 0.0019 | mg/kg |   |
| 79-01-6    | Trichloroethylene         | 0.0019 U | 0.0074 | 0.0019 | mg/kg |   |
| 75-69-4    | Trichlorofluoromethane    | 0.0015 U | 0.0074 | 0.0015 | mg/kg |   |
| 75-01-4    | Vinyl chloride            | 0.0020 U | 0.0074 | 0.0020 | mg/kg |   |
| 108-05-4   | Vinyl Acetate             | 0.011 U  | 0.037  | 0.011  | mg/kg |   |
| 1330-20-7  | Xylene (total)            | 0.0056 U | 0.022  | 0.0056 | mg/kg |   |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7  | Dibromofluoromethane  | 108%   |        | 68-127% |
| 2037-26-5  | Toluene-D8            | 121%   |        | 76-139% |
| 460-00-4   | 4-Bromofluorobenzene  | 127%   |        | 68-167% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 92%    |        | 56-121% |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-146                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-6                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 64.8     |
| Method:           | SW846 8270C SW846 3550B                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | A24861.D | 1  | 12/13/07 | SC | 12/12/07  | OP8697     | EA1542           |
| Run #2 |          |    |          |    |           |            |                  |

| Run #  | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 30.5 g         | 1.0 ml       |
| Run #2 |                |              |

## SW-846 8270C

| CAS No.  | Compound                   | Result  | MQL  | SDL   | Units | Q |
|----------|----------------------------|---------|------|-------|-------|---|
| 108-98-5 | Benzenethiol               | 0.25 U  | 0.25 | 0.25  | mg/kg |   |
| 65-85-0  | Benzoic acid               | 0.063 U | 1.3  | 0.063 | mg/kg |   |
| 95-57-8  | 2-Chlorophenol             | 0.078 U | 0.25 | 0.078 | mg/kg |   |
| 59-50-7  | 4-Chloro-3-methyl phenol   | 0.058 U | 0.25 | 0.058 | mg/kg |   |
| 120-83-2 | 2,4-Dichlorophenol         | 0.086 U | 0.25 | 0.086 | mg/kg |   |
| 105-67-9 | 2,4-Dimethylphenol         | 0.081 U | 0.25 | 0.081 | mg/kg |   |
| 51-28-5  | 2,4-Dinitrophenol          | 0.086 U | 1.3  | 0.086 | mg/kg |   |
| 534-52-1 | 4,6-Dinitro-o-cresol       | 0.16 U  | 0.51 | 0.16  | mg/kg |   |
| 95-48-7  | 2-Methylphenol             | 0.055 U | 0.25 | 0.055 | mg/kg |   |
|          | 3&4-Methylphenol           | 0.083 U | 0.25 | 0.083 | mg/kg |   |
| 100-02-7 | 4-Nitrophenol              | 0.10 U  | 0.25 | 0.10  | mg/kg |   |
| 87-86-5  | Pentachlorophenol          | 0.067 U | 1.3  | 0.067 | mg/kg |   |
| 108-95-2 | Phenol                     | 0.10 U  | 0.25 | 0.10  | mg/kg |   |
| 95-95-4  | 2,4,5-Trichlorophenol      | 0.071 U | 0.25 | 0.071 | mg/kg |   |
| 88-06-2  | 2,4,6-Trichlorophenol      | 0.068 U | 0.25 | 0.068 | mg/kg |   |
| 83-32-9  | Acenaphthene               | 0.061 U | 0.25 | 0.061 | mg/kg |   |
| 208-96-8 | Acenaphthylene             | 0.068 U | 0.25 | 0.068 | mg/kg |   |
| 120-12-7 | Anthracene                 | 0.083 U | 0.25 | 0.083 | mg/kg |   |
| 56-55-3  | Benzo(a)anthracene         | 0.094 U | 0.25 | 0.094 | mg/kg |   |
| 50-32-8  | Benzo(a)pyrene             | 0.083 U | 0.25 | 0.083 | mg/kg |   |
| 205-99-2 | Benzo(b)fluoranthene       | 0.11 U  | 0.25 | 0.11  | mg/kg |   |
| 191-24-2 | Benzo(g,h,i)perylene       | 0.14 U  | 0.25 | 0.14  | mg/kg |   |
| 207-08-9 | Benzo(k)fluoranthene       | 0.12 U  | 0.25 | 0.12  | mg/kg |   |
| 101-55-3 | 4-Bromophenyl phenyl ether | 0.097 U | 0.25 | 0.097 | mg/kg |   |
| 85-68-7  | Butyl benzyl phthalate     | 0.12 U  | 0.25 | 0.12  | mg/kg |   |
| 100-51-6 | Benzyl Alcohol             | 0.090 U | 0.25 | 0.090 | mg/kg |   |
| 91-58-7  | 2-Chloronaphthalene        | 0.070 U | 0.25 | 0.070 | mg/kg |   |
| 106-47-8 | 4-Chloroaniline            | 0.071 U | 0.25 | 0.071 | mg/kg |   |
| 86-74-8  | Carbazole                  | 0.11 U  | 0.25 | 0.11  | mg/kg |   |
| 218-01-9 | Chrysene                   | 0.083 U | 0.25 | 0.083 | mg/kg |   |
| 111-91-1 | bis(2-Chloroethoxy)methane | 0.095 U | 0.25 | 0.095 | mg/kg |   |
| 111-44-4 | bis(2-Chloroethyl)ether    | 0.054 U | 0.25 | 0.054 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-146                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-6                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 64.8     |
| Method:           | SW846 8270C SW846 3550B                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8270C

| CAS No.   | Compound                       | Result  | MQL  | SDL   | Units | Q |
|-----------|--------------------------------|---------|------|-------|-------|---|
| 7005-72-3 | 4-Chlorophenyl phenyl ether    | 0.077 U | 0.25 | 0.077 | mg/kg |   |
| 95-50-1   | 1,2-Dichlorobenzene            | 0.086 U | 0.25 | 0.086 | mg/kg |   |
| 541-73-1  | 1,3-Dichlorobenzene            | 0.079 U | 0.25 | 0.079 | mg/kg |   |
| 106-46-7  | 1,4-Dichlorobenzene            | 0.070 U | 0.25 | 0.070 | mg/kg |   |
| 121-14-2  | 2,4-Dinitrotoluene             | 0.11 U  | 0.25 | 0.11  | mg/kg |   |
| 606-20-2  | 2,6-Dinitrotoluene             | 0.065 U | 0.25 | 0.065 | mg/kg |   |
| 91-94-1   | 3,3'-Dichlorobenzidine         | 0.10 U  | 0.51 | 0.10  | mg/kg |   |
| 57-97-6   | 7,12-Dimethylbenz(a)anthracene | 0.25 U  | 0.25 | 0.25  | mg/kg |   |
| 226-36-8  | Dibenz(a,h)acridine            | 0.25 U  | 0.25 | 0.25  | mg/kg |   |
| 53-70-3   | Dibenzo(a,h)anthracene         | 0.088 U | 0.25 | 0.088 | mg/kg |   |
| 132-64-9  | Dibenzofuran                   | 0.070 U | 0.25 | 0.070 | mg/kg |   |
| 122-39-4  | Diphenylamine                  | 0.11 U  | 0.25 | 0.11  | mg/kg |   |
| 84-74-2   | Di-n-butyl phthalate           | 0.12 U  | 0.25 | 0.12  | mg/kg |   |
| 117-84-0  | Di-n-octyl phthalate           | 0.23 U  | 0.25 | 0.23  | mg/kg |   |
| 84-66-2   | Diethyl phthalate              | 0.070 U | 0.25 | 0.070 | mg/kg |   |
| 131-11-3  | Dimethyl phthalate             | 0.063 U | 0.25 | 0.063 | mg/kg |   |
| 117-81-7  | bis(2-Ethylhexyl)phthalate     | 0.13 U  | 0.25 | 0.13  | mg/kg |   |
| 206-44-0  | Fluoranthene                   | 0.11 U  | 0.25 | 0.11  | mg/kg |   |
| 86-73-7   | Fluorene                       | 0.077 U | 0.25 | 0.077 | mg/kg |   |
| 118-74-1  | Hexachlorobenzene              | 0.083 U | 0.25 | 0.083 | mg/kg |   |
| 87-68-3   | Hexachlorobutadiene            | 0.077 U | 0.25 | 0.077 | mg/kg |   |
| 77-47-4   | Hexachlorocyclopentadiene      | 0.092 U | 0.25 | 0.092 | mg/kg |   |
| 67-72-1   | Hexachloroethane               | 0.074 U | 0.25 | 0.074 | mg/kg |   |
| 95-13-6   | Indene                         | 1.3 U   | 1.3  | 1.3   | mg/kg |   |
| 193-39-5  | Indeno(1,2,3-cd)pyrene         | 0.098 U | 0.25 | 0.098 | mg/kg |   |
| 78-59-1   | Isophorone                     | 0.066 U | 0.25 | 0.066 | mg/kg |   |
| 90-12-0   | 1-Methylnaphthalene            | 0.060 U | 0.25 | 0.060 | mg/kg |   |
| 91-57-6   | 2-Methylnaphthalene            | 0.067 U | 0.25 | 0.067 | mg/kg |   |
|           | 6-Methyl Chrysene              | 0.25 U  | 0.25 | 0.25  | mg/kg |   |
| 88-74-4   | 2-Nitroaniline                 | 0.066 U | 0.25 | 0.066 | mg/kg |   |
| 99-09-2   | 3-Nitroaniline                 | 0.095 U | 0.25 | 0.095 | mg/kg |   |
| 100-01-6  | 4-Nitroaniline                 | 0.14 U  | 0.25 | 0.14  | mg/kg |   |
| 91-20-3   | Naphthalene                    | 0.061 U | 0.25 | 0.061 | mg/kg |   |
| 98-95-3   | Nitrobenzene                   | 0.071 U | 0.25 | 0.071 | mg/kg |   |
| 621-64-7  | N-Nitroso-di-n-propylamine     | 0.10 U  | 0.25 | 0.10  | mg/kg |   |
| 86-30-6   | N-Nitrosodiphenylamine         | 0.11 U  | 0.25 | 0.11  | mg/kg |   |
| 85-01-8   | Phenanthrene                   | 0.094 U | 0.25 | 0.094 | mg/kg |   |
| 129-00-0  | Pyrene                         | 0.12 U  | 0.25 | 0.12  | mg/kg |   |
| 91-22-5   | Quinoline                      | 0.25 U  | 0.25 | 0.25  | mg/kg |   |
| 120-82-1  | 1,2,4-Trichlorobenzene         | 0.066 U | 0.25 | 0.066 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|  |                                |
|--|--------------------------------|
| <b>Client Sample ID:</b> FR-146                              |                                |
| <b>Lab Sample ID:</b> T20073-6                               | <b>Date Sampled:</b> 12/11/07  |
| <b>Matrix:</b> SO - Soil                                     | <b>Date Received:</b> 12/12/07 |
| <b>Method:</b> SW846 8270C SW846 3550B                       | <b>Percent Solids:</b> 64.8    |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |                                |

**SW-846 8270C**

| CAS No.  | Compound                | Result | MQL  | SDL  | Units | Q |
|----------|-------------------------|--------|------|------|-------|---|
|          | 1,3&1,4-Cyclohexanediol | 0.25 U | 0.25 | 0.25 | mg/kg |   |
| 931-17-9 | 1,2-Cyclohexanediol     | 0.25 U | 0.25 | 0.25 | mg/kg |   |
| 98-85-1  | 1-Phenylethanol         | 0.25 U | 0.25 | 0.25 | mg/kg |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 367-12-4  | 2-Fluorophenol       | 50%    |        | 26-124% |
| 4165-62-2 | Phenol-d5            | 55%    |        | 19-106% |
| 118-79-6  | 2,4,6-Tribromophenol | 63%    |        | 18-129% |
| 4165-60-0 | Nitrobenzene-d5      | 56%    |        | 18-104% |
| 321-60-8  | 2-Fluorobiphenyl     | 61%    |        | 21-114% |
| 1718-51-0 | Terphenyl-d14        | 97%    |        | 24-149% |

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-146                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-6                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 64.8     |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## Metals Analysis

| Analyte   | Result   | MQL   | SDL     | Units | DF | Prep     | Analyzed By | Method | Prep Method                                       |
|-----------|----------|-------|---------|-------|----|----------|-------------|--------|---|
| Aluminum  | 2030     | 29    | 6.4     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Antimony  | 0.39 U   | 1.5   | 0.39    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Arsenic   | 2.5      | 1.5   | 0.29    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Barium    | 38.8     | 29    | 0.088   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Beryllium | 0.085 B  | 0.73  | 0.029   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Cadmium   | 0.15 U   | 0.73  | 0.15    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Calcium   | 9740     | 730   | 2.5     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Chromium  | 1.7      | 1.5   | 0.10    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Cobalt    | 0.78 B   | 7.3   | 0.26    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Copper    | 1.7 B    | 3.7   | 0.19    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Iron      | 1750     | 15    | 3.3     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Lead      | 4.0      | 1.5   | 0.58    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Magnesium | 2330     | 730   | 1.7     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Manganese | 146      | 2.2   | 0.10    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Mercury   | 0.0011 B | 0.025 | 0.00098 | mg/kg | 1  | 12/20/07 | 12/20/07    | NS     | SW846 7471A <sup>1</sup> SW846 7471A <sup>4</sup> |
| Nickel    | 0.99 B   | 5.8   | 0.19    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Potassium | 440 B    | 730   | 45      | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Selenium  | 0.35 U   | 1.5   | 0.35    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Silver    | 0.12 U   | 1.5   | 0.12    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Sodium    | 1670     | 730   | 39      | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Thallium  | 0.73 U   | 2.9   | 0.73    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Vanadium  | 3.6 B    | 7.3   | 0.18    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |
| Zinc      | 28.1     | 2.9   | 0.58    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>2</sup> SW846 3050B <sup>3</sup> |

(1) Instrument QC Batch: MA3291

(2) Instrument QC Batch: MA3293

(3) Prep QC Batch: MP7062

(4) Prep QC Batch: MP7072

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result > = SDL but < MQL

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-146                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-6                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 64.8     |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

### General Chemistry

| Analyte                           | Result | MLQ | SDL | Units | DF | Analyzed | By  | Method            |
|-----------------------------------|--------|-----|-----|-------|----|----------|-----|-------------------|
| Chromium, Hexavalent <sup>a</sup> | 1.5 U  | 3.1 | 1.5 | mg/kg | 1  | 12/28/07 | AFL | SW846 3060A/7196A |
| Solids, Percent                   | 64.8   |     |     | %     | 1  | 12/14/07 | SS  | EPA 160.3 M       |

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MLQ = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MLQ

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-147                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-7                                     | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|------------|----|----------|----|-----------|------------|------------------|
| Run #1 | Y0018618.D | 1  | 12/13/07 | LJ | n/a       | n/a        | VY1521           |
| Run #2 |            |    |          |    |           |            |                  |

| Run #  | Purge Volume |
|--------|--------------|
| Run #1 | 5.0 ml       |
| Run #2 |              |

## SW-846 8260B

| CAS No.    | Compound                    | Result    | MLQ    | SDL     | Units | Q |
|------------|-----------------------------|-----------|--------|---------|-------|---|
| 67-64-1    | Acetone                     | 0.0042    | 0.050  | 0.0026  | mg/l  | J |
| 71-43-2    | Benzene                     | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |
| 108-86-1   | Bromobenzene                | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 74-97-5    | Bromochloromethane          | 0.00049 U | 0.0020 | 0.00049 | mg/l  |   |
| 75-27-4    | Bromodichloromethane        | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 75-25-2    | Bromoform                   | 0.0014 U  | 0.0020 | 0.0014  | mg/l  |   |
| 71-36-3    | n-Butyl Alcohol             | 0.020 U   | 0.020  | 0.020   | mg/l  |   |
| 104-51-8   | n-Butylbenzene              | 0.00055 U | 0.0020 | 0.00055 | mg/l  |   |
| 98-06-6    | tert-Butylbenzene           | 0.00083 U | 0.0020 | 0.00083 | mg/l  |   |
| 108-90-7   | Chlorobenzene               | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 75-00-3    | Chloroethane                | 0.00039 U | 0.0020 | 0.00039 | mg/l  |   |
| 67-66-3    | Chloroform                  | 0.00054 U | 0.0020 | 0.00054 | mg/l  |   |
| 95-49-8    | o-Chlorotoluene             | 0.00038 U | 0.0020 | 0.00038 | mg/l  |   |
| 106-43-4   | p-Chlorotoluene             | 0.00050 U | 0.0020 | 0.00050 | mg/l  |   |
| 75-15-0    | Carbon disulfide            | 0.00051 U | 0.0020 | 0.00051 | mg/l  |   |
| 56-23-5    | Carbon tetrachloride        | 0.00045 U | 0.0020 | 0.00045 | mg/l  |   |
| 110-82-7   | Cyclohexane                 | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 75-34-3    | 1,1-Dichloroethane          | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 75-35-4    | 1,1-Dichloroethylene        | 0.00048 U | 0.0020 | 0.00048 | mg/l  |   |
| 563-58-6   | 1,1-Dichloropropene         | 0.00035 U | 0.0020 | 0.00035 | mg/l  |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 0.0011 U  | 0.0020 | 0.0011  | mg/l  |   |
| 106-93-4   | 1,2-Dibromoethane           | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 107-06-2   | 1,2-Dichloroethane          | 0.00050 U | 0.0020 | 0.00050 | mg/l  |   |
| 78-87-5    | 1,2-Dichloropropane         | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 142-28-9   | 1,3-Dichloropropane         | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 123-91-1   | 1,4-Dioxane                 | 0.13 U    | 0.25   | 0.13    | mg/l  |   |
| 594-20-7   | 2,2-Dichloropropane         | 0.00058 U | 0.0020 | 0.00058 | mg/l  |   |
| 124-48-1   | Dibromochloromethane        | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |
| 75-71-8    | Dichlorodifluoromethane     | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | 0.00043 U | 0.0020 | 0.00043 | mg/l  |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-147                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-7                                     | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8260B

| CAS No.    | Compound                  | Result    | MQL    | SDL     | Units | Q |
|------------|---------------------------|-----------|--------|---------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | 0.00036 U | 0.0020 | 0.00036 | mg/l  |   |
| 100-41-4   | Ethylbenzene              | 0.00045 U | 0.0020 | 0.00045 | mg/l  |   |
| 60-29-7    | Ethyl Ether               | 0.0020 U  | 0.0020 | 0.0020  | mg/l  |   |
| 110-54-3   | hexane                    | 0.00061 U | 0.0020 | 0.00061 | mg/l  |   |
| 591-78-6   | 2-Hexanone                | 0.0024 U  | 0.010  | 0.0024  | mg/l  |   |
| 87-68-3    | Hexachlorobutadiene       | 0.0012 U  | 0.0020 | 0.0012  | mg/l  |   |
| 98-82-8    | Isopropylbenzene          | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 99-87-6    | p-Isopropyltoluene        | 0.00040 U | 0.0020 | 0.00040 | mg/l  |   |
| 108-10-1   | 4-Methyl-2-pentanone      | 0.0025 U  | 0.010  | 0.0025  | mg/l  |   |
| 74-83-9    | Methyl bromide            | 0.00054 U | 0.0020 | 0.00054 | mg/l  |   |
| 74-87-3    | Methyl chloride           | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 74-95-3    | Methylene bromide         | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 75-09-2    | Methylene chloride        | 0.00041 U | 0.0050 | 0.00041 | mg/l  |   |
| 78-93-3    | Methyl ethyl ketone       | 0.0025 U  | 0.010  | 0.0025  | mg/l  |   |
| 103-65-1   | n-Propylbenzene           | 0.00051 U | 0.0020 | 0.00051 | mg/l  |   |
| 100-42-5   | Styrene                   | 0.00035 U | 0.0020 | 0.00035 | mg/l  |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | 0.00037 U | 0.0020 | 0.00037 | mg/l  |   |
| 71-55-6    | 1,1,1-Trichloroethane     | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 79-00-5    | 1,1,2-Trichloroethane     | 0.00044 U | 0.0020 | 0.00044 | mg/l  |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | 0.00043 U | 0.0020 | 0.00043 | mg/l  |   |
| 96-18-4    | 1,2,3-Trichloropropane    | 0.00069 U | 0.0020 | 0.00069 | mg/l  |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | 0.00044 U | 0.0020 | 0.00044 | mg/l  |   |
| 127-18-4   | Tetrachloroethylene       | 0.00050 U | 0.0020 | 0.00050 | mg/l  |   |
| 108-88-3   | Toluene                   | 0.00048 U | 0.0020 | 0.00048 | mg/l  |   |
| 79-01-6    | Trichloroethylene         | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 75-69-4    | Trichlorofluoromethane    | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 75-01-4    | Vinyl chloride            | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 108-05-4   | Vinyl Acetate             | 0.0023 U  | 0.010  | 0.0023  | mg/l  |   |
| 1330-20-7  | Xylene (total)            | 0.0014 U  | 0.0060 | 0.0014  | mg/l  |   |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7  | Dibromofluoromethane  | 107%   |        | 76-125% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 104%   |        | 69-128% |
| 2037-26-5  | Toluene-D8            | 119%   |        | 80-121% |
| 460-00-4   | 4-Bromofluorobenzene  | 123%   |        | 69-142% |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-147                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-7                                     | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Method:           | SW846 8270C SW846 3510C                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | H24816.D | 1  | 12/14/07 | SC | 12/14/07  | OP8713     | EH1393           |
| Run #2 |          |    |          |    |           |            |                  |

| Run #  | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1000 ml        | 1.0 ml       |
| Run #2 |                |              |

## SW-846 8270C

| CAS No.  | Compound                   | Result    | ML     | SDL     | Units | Q |
|----------|----------------------------|-----------|--------|---------|-------|---|
| 108-98-5 | Benzenethiol               | 0.010 U   | 0.010  | 0.010   | mg/l  |   |
| 65-85-0  | Benzoic Acid               | 0.00058 U | 0.010  | 0.00058 | mg/l  |   |
| 95-57-8  | 2-Chlorophenol             | 0.0014 U  | 0.0050 | 0.0014  | mg/l  |   |
| 59-50-7  | 4-Chloro-3-methyl phenol   | 0.0012 U  | 0.0050 | 0.0012  | mg/l  |   |
| 120-83-2 | 2,4-Dichlorophenol         | 0.0018 U  | 0.0050 | 0.0018  | mg/l  |   |
| 105-67-9 | 2,4-Dimethylphenol         | 0.0026 U  | 0.0050 | 0.0026  | mg/l  |   |
| 51-28-5  | 2,4-Dinitrophenol          | 0.0024 U  | 0.025  | 0.0024  | mg/l  |   |
| 534-52-1 | 4,6-Dinitro-o-cresol       | 0.0039 U  | 0.010  | 0.0039  | mg/l  |   |
| 95-48-7  | 2-Methylphenol             | 0.0012 U  | 0.0050 | 0.0012  | mg/l  |   |
|          | 3&4-Methylphenol           | 0.0011 U  | 0.0050 | 0.0011  | mg/l  |   |
| 100-02-7 | 4-Nitrophenol              | 0.0017 U  | 0.025  | 0.0017  | mg/l  |   |
| 87-86-5  | Pentachlorophenol          | 0.0040 U  | 0.025  | 0.0040  | mg/l  |   |
| 108-95-2 | Phenol                     | 0.00052 U | 0.0050 | 0.00052 | mg/l  |   |
| 95-95-4  | 2,4,5-Trichlorophenol      | 0.0018 U  | 0.0050 | 0.0018  | mg/l  |   |
| 88-06-2  | 2,4,6-Trichlorophenol      | 0.0015 U  | 0.0050 | 0.0015  | mg/l  |   |
| 83-32-9  | Acenaphthene               | 0.0015 U  | 0.0050 | 0.0015  | mg/l  |   |
| 208-96-8 | Acenaphthylene             | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 120-12-7 | Anthracene                 | 0.0018 U  | 0.0050 | 0.0018  | mg/l  |   |
| 56-55-3  | Benzo(a)anthracene         | 0.0014 U  | 0.0050 | 0.0014  | mg/l  |   |
| 50-32-8  | Benzo(a)pyrene             | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 205-99-2 | Benzo(b)fluoranthene       | 0.0015 U  | 0.0050 | 0.0015  | mg/l  |   |
| 191-24-2 | Benzo(g,h,i)perylene       | 0.0025 U  | 0.0050 | 0.0025  | mg/l  |   |
| 207-08-9 | Benzo(k)fluoranthene       | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 101-55-3 | 4-Bromophenyl phenyl ether | 0.0021 U  | 0.0050 | 0.0021  | mg/l  |   |
| 85-68-7  | Butyl benzyl phthalate     | 0.0017 U  | 0.0050 | 0.0017  | mg/l  |   |
| 100-51-6 | Benzyl Alcohol             | 0.0019 U  | 0.0050 | 0.0019  | mg/l  |   |
| 91-58-7  | 2-Chloronaphthalene        | 0.0012 U  | 0.0050 | 0.0012  | mg/l  |   |
| 106-47-8 | 4-Chloroaniline            | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 86-74-8  | Carbazole                  | 0.0017 U  | 0.0050 | 0.0017  | mg/l  |   |
| 218-01-9 | Chrysene                   | 0.0013 U  | 0.0050 | 0.0013  | mg/l  |   |
| 111-91-1 | bis(2-Chloroethoxy)methane | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 111-44-4 | bis(2-Chloroethyl)ether    | 0.0012 U  | 0.0050 | 0.0012  | mg/l  |   |

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-147                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-7                                     | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Method:           | SW846 8270C SW846 3510C                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8270C

| CAS No.   | Compound                       | Result   | MQL    | SDL    | Units | Q |
|-----------|--------------------------------|----------|--------|--------|-------|---|
| 7005-72-3 | 4-Chlorophenyl phenyl ether    | 0.0015 U | 0.0050 | 0.0015 | mg/l  |   |
| 95-50-1   | 1,2-Dichlorobenzene            | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 541-73-1  | 1,3-Dichlorobenzene            | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 106-46-7  | 1,4-Dichlorobenzene            | 0.0015 U | 0.0050 | 0.0015 | mg/l  |   |
| 121-14-2  | 2,4-Dinitrotoluene             | 0.0024 U | 0.0050 | 0.0024 | mg/l  |   |
| 606-20-2  | 2,6-Dinitrotoluene             | 0.0017 U | 0.0050 | 0.0017 | mg/l  |   |
| 91-94-1   | 3,3'-Dichlorobenzidine         | 0.0037 U | 0.010  | 0.0037 | mg/l  |   |
| 57-97-6   | 7,12-Dimethylbenz(a)anthracene | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
| 226-36-8  | Dibenz(a,h)acridine            | 0.0010 U | 0.0050 | 0.0010 | mg/l  |   |
| 53-70-3   | Dibenzo(a,h)anthracene         | 0.0013 U | 0.0050 | 0.0013 | mg/l  |   |
| 132-64-9  | Dibenzofuran                   | 0.0023 U | 0.0050 | 0.0023 | mg/l  |   |
| 122-39-4  | Diphenylamine                  | 0.0019 U | 0.0050 | 0.0019 | mg/l  |   |
| 84-74-2   | Di-n-butyl phthalate           | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 117-84-0  | Di-n-octyl phthalate           | 0.0013 U | 0.0050 | 0.0013 | mg/l  |   |
| 84-66-2   | Diethyl phthalate              | 0.0011 U | 0.0050 | 0.0011 | mg/l  |   |
| 131-11-3  | Dimethyl phthalate             | 0.0018 U | 0.0050 | 0.0018 | mg/l  |   |
| 117-81-7  | bis(2-Ethylhexyl)phthalate     | 0.0017   | 0.0050 | 0.0015 | mg/l  | J |
| 206-44-0  | Fluoranthene                   | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 86-73-7   | Fluorene                       | 0.0021 U | 0.0050 | 0.0021 | mg/l  |   |
| 118-74-1  | Hexachlorobenzene              | 0.0019 U | 0.0050 | 0.0019 | mg/l  |   |
| 87-68-3   | Hexachlorobutadiene            | 0.0019 U | 0.0050 | 0.0019 | mg/l  |   |
| 77-47-4   | Hexachlorocyclopentadiene      | 0.0014 U | 0.0050 | 0.0014 | mg/l  |   |
| 67-72-1   | Hexachloroethane               | 0.0017 U | 0.0050 | 0.0017 | mg/l  |   |
| 95-13-6   | Indene                         | 0.014 U  | 0.015  | 0.014  | mg/l  |   |
| 193-39-5  | Indeno(1,2,3-cd)pyrene         | 0.0024 U | 0.0050 | 0.0024 | mg/l  |   |
| 78-59-1   | Isophorone                     | 0.0012 U | 0.0050 | 0.0012 | mg/l  |   |
| 90-12-0   | 1-Methylnaphthalene            | 0.0017 U | 0.0050 | 0.0017 | mg/l  |   |
| 91-57-6   | 2-Methylnaphthalene            | 0.0020 U | 0.0050 | 0.0020 | mg/l  |   |
|           | 6-Methyl Chrysene              | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
| 88-74-4   | 2-Nitroaniline                 | 0.0021 U | 0.0050 | 0.0021 | mg/l  |   |
| 99-09-2   | 3-Nitroaniline                 | 0.0027 U | 0.0050 | 0.0027 | mg/l  |   |
| 100-01-6  | 4-Nitroaniline                 | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
| 91-20-3   | Naphthalene                    | 0.0015 U | 0.0050 | 0.0015 | mg/l  |   |
| 98-95-3   | Nitrobenzene                   | 0.0014 U | 0.0050 | 0.0014 | mg/l  |   |
| 621-64-7  | N-Nitroso-di-n-propylamine     | 0.0017 U | 0.0050 | 0.0017 | mg/l  |   |
| 86-30-6   | N-Nitrosodiphenylamine         | 0.0019 U | 0.0050 | 0.0019 | mg/l  |   |
| 85-01-8   | Phenanthrene                   | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 129-00-0  | Pyrene                         | 0.0011 U | 0.0050 | 0.0011 | mg/l  |   |
| 91-22-5   | Quinoline                      | 0.0010 U | 0.0050 | 0.0010 | mg/l  |   |
| 120-82-1  | 1,2,4-Trichlorobenzene         | 0.0010 U | 0.0050 | 0.0010 | mg/l  |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|  |  |                                |
|--|--|--------------------------------|
| <b>Client Sample ID:</b> FR-147                              |  | <b>Date Sampled:</b> 12/11/07  |
| <b>Lab Sample ID:</b> T20073-7                               |  | <b>Date Received:</b> 12/12/07 |
| <b>Matrix:</b> AQ - Water                                    |  | <b>Percent Solids:</b> n/a     |
| <b>Method:</b> SW846 8270C SW846 3510C                       |  |                                |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |  |                                |

**SW-846 8270C**

| CAS No.  | Compound                | Result   | MQL    | SDL    | Units | Q |
|----------|-------------------------|----------|--------|--------|-------|---|
| 98-85-1  | 1-Phenylethanol         | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
| 931-17-9 | 1,2-Cyclohexanediol     | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
|          | 1,3&1,4-Cyclohexanediol | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 367-12-4  | 2-Fluorophenol       | 42%    |        | 10-66%  |
| 4165-62-2 | Phenol-d5            | 29%    |        | 10-53%  |
| 118-79-6  | 2,4,6-Tribromophenol | 65%    |        | 32-128% |
| 4165-60-0 | Nitrobenzene-d5      | 60%    |        | 29-115% |
| 321-60-8  | 2-Fluorobiphenyl     | 62%    |        | 34-113% |
| 1718-51-0 | Terphenyl-d14        | 67%    |        | 12-145% |

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

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3

|  |                                |
|--|--------------------------------|
| <b>Client Sample ID:</b> FR-147                              |                                |
| <b>Lab Sample ID:</b> T20073-7                               | <b>Date Sampled:</b> 12/11/07  |
| <b>Matrix:</b> AQ - Water                                    | <b>Date Received:</b> 12/12/07 |
| <b>Method:</b> SW846 8270C BY SIM SW846 3510C                | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |                                |

|        | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | A24887.D | 1  | 12/14/07 | SC | 12/14/07  | OP8714     | EA1543           |
| Run #2 |          |    |          |    |           |            |                  |

|        | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1000 ml        | 1.0 ml       |
| Run #2 |                |              |

**BN PAH List**

| CAS No.  | Compound             | Result     | MQL     | SDL      | Units | Q |
|----------|----------------------|------------|---------|----------|-------|---|
| 56-55-3  | Benzo(a)anthracene   | 0.000055 U | 0.00020 | 0.000055 | mg/l  |   |
| 50-32-8  | Benzo(a)pyrene       | 0.000099 U | 0.00020 | 0.000099 | mg/l  |   |
| 205-99-2 | Benzo(b)fluoranthene | 0.000056 U | 0.00020 | 0.000056 | mg/l  |   |
| 207-08-9 | Benzo(k)fluoranthene | 0.000046 U | 0.00020 | 0.000046 | mg/l  |   |

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-147                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-7                                     | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## Metals Analysis

| Analyte   | Result  | MQL  | SDL   | Units | DF | Prep     | Analyzed By | Method                      | Prep Method              |
|-----------|---------|------|-------|-------|----|----------|-------------|-----------------------------|--------------------------|
| Aluminum  | 100 B   | 200  | 86    | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Antimony  | 2.9 B   | 5.0  | 2.7   | ug/l  | 1  | 12/17/07 | 12/23/07    | NS SW846 6010B <sup>3</sup> | SW846 3010A <sup>5</sup> |
| Arsenic   | 7.6     | 5.0  | 2.7   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Barium    | 342     | 200  | 2.4   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Beryllium | 0.26 U  | 5.0  | 0.26  | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Cadmium   | 1.8 U   | 4.0  | 1.8   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Calcium   | 38900   | 5000 | 170   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Chromium  | 1.5 U   | 10   | 1.5   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Cobalt    | 9.6 U   | 50   | 9.6   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Copper    | 10.1 B  | 25   | 5.9   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Iron      | 184     | 100  | 24    | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Lead      | 2.8 U   | 3.0  | 2.8   | ug/l  | 1  | 12/20/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3010A <sup>6</sup> |
| Magnesium | 216000  | 5000 | 13    | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Manganese | 11.0 B  | 15   | 4.1   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Mercury   | 0.094 U | 0.20 | 0.094 | ug/l  | 1  | 12/24/07 | 12/24/07    | NS SW846 7470A <sup>4</sup> | SW846 7470A <sup>7</sup> |
| Nickel    | 2.6 U   | 40   | 2.6   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Selenium  | 2.3 U   | 5.0  | 2.3   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Silver    | 1.1 U   | 10   | 1.1   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Thallium  | 2.7 U   | 10   | 2.7   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Vanadium  | 0.94 U  | 50   | 0.94  | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Zinc      | 56.0    | 20   | 7.5   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |

- (1) Instrument QC Batch: MA3284  
(2) Instrument QC Batch: MA3293  
(3) Instrument QC Batch: MA3294  
(4) Instrument QC Batch: MA3296  
(5) Prep QC Batch: MP7047  
(6) Prep QC Batch: MP7068  
(7) Prep QC Batch: MP7085

MQL = Method Quantitation Limit  
SDL = Sample Detection Limit

U = Indicates a result < SDL  
B = Indicates a result >= SDL but < MQL

## Report of Analysis

|  |                                |
|--|--------------------------------|
| <b>Client Sample ID:</b> FR-147                              | <b>Date Sampled:</b> 12/11/07  |
| <b>Lab Sample ID:</b> T20073-7                               | <b>Date Received:</b> 12/12/07 |
| <b>Matrix:</b> AQ - Water                                    | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |                                |

### General Chemistry

| Analyte              | Result   | MQL   | SDL    | Units | DF | Analyzed       | By | Method      |
|----------------------|----------|-------|--------|-------|----|----------------|----|-------------|
| Chromium, Hexavalent | 0.0070 B | 0.010 | 0.0040 | mg/l  | 1  | 12/12/07 07:15 | SS | SW846 7196A |

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-148                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-8                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 52.9     |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|------------|----|----------|----|-----------|------------|------------------|
| Run #1 | M0001281.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |
| Run #2 |            |    |          |    |           |            |                  |

| Run #  | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 5.22 g         | 5.0 ml       |
| Run #2 |                |              |

## SW-846 8260B

| CAS No.    | Compound                    | Result   | MQL    | SDL    | Units | Q |
|------------|-----------------------------|----------|--------|--------|-------|---|
| 67-64-1    | Acetone                     | 0.0505   | 0.091  | 0.013  | mg/kg | J |
| 71-43-2    | Benzene                     | 0.0025 U | 0.0091 | 0.0025 | mg/kg |   |
| 108-86-1   | Bromobenzene                | 0.0023 U | 0.0091 | 0.0023 | mg/kg |   |
| 74-97-5    | Bromochloromethane          | 0.0026 U | 0.0091 | 0.0026 | mg/kg |   |
| 75-27-4    | Bromodichloromethane        | 0.0026 U | 0.0091 | 0.0026 | mg/kg |   |
| 75-25-2    | Bromoform                   | 0.0022 U | 0.0091 | 0.0022 | mg/kg |   |
| 71-36-3    | n-Butyl Alcohol             | 0.091 U  | 0.091  | 0.091  | mg/kg |   |
| 104-51-8   | n-Butylbenzene              | 0.0018 U | 0.0091 | 0.0018 | mg/kg |   |
| 98-06-6    | tert-Butylbenzene           | 0.0018 U | 0.0091 | 0.0018 | mg/kg |   |
| 108-90-7   | Chlorobenzene               | 0.0025 U | 0.0091 | 0.0025 | mg/kg |   |
| 75-00-3    | Chloroethane                | 0.0026 U | 0.0091 | 0.0026 | mg/kg |   |
| 67-66-3    | Chloroform                  | 0.0023 U | 0.0091 | 0.0023 | mg/kg |   |
| 95-49-8    | o-Chlorotoluene             | 0.0022 U | 0.0091 | 0.0022 | mg/kg |   |
| 106-43-4   | p-Chlorotoluene             | 0.0020 U | 0.0091 | 0.0020 | mg/kg |   |
| 75-15-0    | Carbon disulfide            | 0.0023 U | 0.018  | 0.0023 | mg/kg |   |
| 56-23-5    | Carbon tetrachloride        | 0.0020 U | 0.0091 | 0.0020 | mg/kg |   |
| 110-82-7   | Cyclohexane                 | 0.0021 U | 0.0091 | 0.0021 | mg/kg |   |
| 75-34-3    | 1,1-Dichloroethane          | 0.0024 U | 0.0091 | 0.0024 | mg/kg |   |
| 75-35-4    | 1,1-Dichloroethylene        | 0.0023 U | 0.0091 | 0.0023 | mg/kg |   |
| 563-58-6   | 1,1-Dichloropropene         | 0.0022 U | 0.0091 | 0.0022 | mg/kg |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 0.0026 U | 0.0091 | 0.0026 | mg/kg |   |
| 106-93-4   | 1,2-Dibromoethane           | 0.0025 U | 0.0091 | 0.0025 | mg/kg |   |
| 107-06-2   | 1,2-Dichloroethane          | 0.0025 U | 0.0091 | 0.0025 | mg/kg |   |
| 78-87-5    | 1,2-Dichloropropane         | 0.0026 U | 0.0091 | 0.0026 | mg/kg |   |
| 142-28-9   | 1,3-Dichloropropane         | 0.0026 U | 0.0091 | 0.0026 | mg/kg |   |
| 123-91-1   | 1,4-Dioxane                 | 0.043 U  | 0.45   | 0.043  | mg/kg |   |
| 594-20-7   | 2,2-Dichloropropane         | 0.0020 U | 0.0091 | 0.0020 | mg/kg |   |
| 124-48-1   | Dibromochloromethane        | 0.0025 U | 0.0091 | 0.0025 | mg/kg |   |
| 75-71-8    | Dichlorodifluoromethane     | 0.0019 U | 0.0091 | 0.0019 | mg/kg |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | 0.0025 U | 0.0091 | 0.0025 | mg/kg |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | 0.0023 U | 0.0091 | 0.0023 | mg/kg |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | 0.0024 U | 0.0091 | 0.0024 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-148                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-8                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 52.9     |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8260B

| CAS No.    | Compound                  | Result   | MQL    | SDL    | Units | Q |
|------------|---------------------------|----------|--------|--------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | 0.0024 U | 0.0091 | 0.0024 | mg/kg |   |
| 100-41-4   | Ethylbenzene              | 0.0023 U | 0.0091 | 0.0023 | mg/kg |   |
| 60-29-7    | Ethyl Ether               | 0.0091 U | 0.0091 | 0.0091 | mg/kg |   |
| 110-54-3   | Hexane                    | 0.0019 U | 0.0091 | 0.0019 | mg/kg |   |
| 591-78-6   | 2-Hexanone                | 0.012 U  | 0.091  | 0.012  | mg/kg |   |
| 87-68-3    | Hexachlorobutadiene       | 0.0021 U | 0.0091 | 0.0021 | mg/kg |   |
| 98-82-8    | Isopropylbenzene          | 0.0022 U | 0.0091 | 0.0022 | mg/kg |   |
| 99-87-6    | p-Isopropyltoluene        | 0.0022 U | 0.0091 | 0.0022 | mg/kg |   |
| 108-10-1   | 4-Methyl-2-pentanone      | 0.013 U  | 0.091  | 0.013  | mg/kg |   |
| 74-83-9    | Methyl bromide            | 0.0027 U | 0.0091 | 0.0027 | mg/kg |   |
| 74-87-3    | Methyl chloride           | 0.0026 U | 0.0091 | 0.0026 | mg/kg |   |
| 74-95-3    | Methylene bromide         | 0.0036 U | 0.0091 | 0.0036 | mg/kg |   |
| 75-09-2    | Methylene chloride        | 0.0044 U | 0.018  | 0.0044 | mg/kg |   |
| 78-93-3    | Methyl ethyl ketone       | 0.012 U  | 0.091  | 0.012  | mg/kg |   |
| 103-65-1   | n-Propylbenzene           | 0.0020 U | 0.0091 | 0.0020 | mg/kg |   |
| 100-42-5   | Styrene                   | 0.0023 U | 0.0091 | 0.0023 | mg/kg |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | 0.0025 U | 0.0091 | 0.0025 | mg/kg |   |
| 71-55-6    | 1,1,1-Trichloroethane     | 0.0022 U | 0.0091 | 0.0022 | mg/kg |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | 0.0026 U | 0.0091 | 0.0026 | mg/kg |   |
| 79-00-5    | 1,1,2-Trichloroethane     | 0.0025 U | 0.0091 | 0.0025 | mg/kg |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | 0.0022 U | 0.0091 | 0.0022 | mg/kg |   |
| 96-18-4    | 1,2,3-Trichloropropane    | 0.0025 U | 0.0091 | 0.0025 | mg/kg |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | 0.0018 U | 0.0091 | 0.0018 | mg/kg |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | 0.0020 U | 0.0091 | 0.0020 | mg/kg |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | 0.0020 U | 0.0091 | 0.0020 | mg/kg |   |
| 127-18-4   | Tetrachloroethylene       | 0.0024 U | 0.0091 | 0.0024 | mg/kg |   |
| 108-88-3   | Toluene                   | 0.0023 U | 0.0091 | 0.0023 | mg/kg |   |
| 79-01-6    | Trichloroethylene         | 0.0023 U | 0.0091 | 0.0023 | mg/kg |   |
| 75-69-4    | Trichlorofluoromethane    | 0.0018 U | 0.0091 | 0.0018 | mg/kg |   |
| 75-01-4    | Vinyl chloride            | 0.0025 U | 0.0091 | 0.0025 | mg/kg |   |
| 108-05-4   | Vinyl Acetate             | 0.014 U  | 0.045  | 0.014  | mg/kg |   |
| 1330-20-7  | Xylene (total)            | 0.0068 U | 0.027  | 0.0068 | mg/kg |   |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7  | Dibromofluoromethane  | 112%   |        | 68-127% |
| 2037-26-5  | Toluene-D8            | 121%   |        | 76-139% |
| 460-00-4   | 4-Bromofluorobenzene  | 126%   |        | 68-167% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 95%    |        | 56-121% |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-148                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-8                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 52.9     |
| Method:           | SW846 8270C SW846 3550B                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | A24914.D | 1  | 12/17/07 | SC | 12/12/07  | OP8697     | EA1544           |
| Run #2 |          |    |          |    |           |            |                  |

| Run #  | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 30.3 g         | 1.0 ml       |
| Run #2 |                |              |

## SW-846 8270C

| CAS No.  | Compound                   | Result  | MQL  | SDL   | Units | Q |
|----------|----------------------------|---------|------|-------|-------|---|
| 108-98-5 | Benzenethiol               | 0.31 U  | 0.31 | 0.31  | mg/kg |   |
| 65-85-0  | Benzoic acid               | 0.078 U | 1.6  | 0.078 | mg/kg |   |
| 95-57-8  | 2-Chlorophenol             | 0.096 U | 0.31 | 0.096 | mg/kg |   |
| 59-50-7  | 4-Chloro-3-methyl phenol   | 0.071 U | 0.31 | 0.071 | mg/kg |   |
| 120-83-2 | 2,4-Dichlorophenol         | 0.11 U  | 0.31 | 0.11  | mg/kg |   |
| 105-67-9 | 2,4-Dimethylphenol         | 0.099 U | 0.31 | 0.099 | mg/kg |   |
| 51-28-5  | 2,4-Dinitrophenol          | 0.11 U  | 1.6  | 0.11  | mg/kg |   |
| 534-52-1 | 4,6-Dinitro-o-cresol       | 0.20 U  | 0.62 | 0.20  | mg/kg |   |
| 95-48-7  | 2-Methylphenol             | 0.068 U | 0.31 | 0.068 | mg/kg |   |
|          | 3&4-Methylphenol           | 0.10 U  | 0.31 | 0.10  | mg/kg |   |
| 100-02-7 | 4-Nitrophenol              | 0.12 U  | 0.31 | 0.12  | mg/kg |   |
| 87-86-5  | Pentachlorophenol          | 0.082 U | 1.6  | 0.082 | mg/kg |   |
| 108-95-2 | Phenol                     | 0.13 U  | 0.31 | 0.13  | mg/kg |   |
| 95-95-4  | 2,4,5-Trichlorophenol      | 0.087 U | 0.31 | 0.087 | mg/kg |   |
| 88-06-2  | 2,4,6-Trichlorophenol      | 0.084 U | 0.31 | 0.084 | mg/kg |   |
| 83-32-9  | Acenaphthene               | 0.076 U | 0.31 | 0.076 | mg/kg |   |
| 208-96-8 | Acenaphthylene             | 0.084 U | 0.31 | 0.084 | mg/kg |   |
| 120-12-7 | Anthracene                 | 0.10 U  | 0.31 | 0.10  | mg/kg |   |
| 56-55-3  | Benzo(a)anthracene         | 0.12 U  | 0.31 | 0.12  | mg/kg |   |
| 50-32-8  | Benzo(a)pyrene             | 0.10 U  | 0.31 | 0.10  | mg/kg |   |
| 205-99-2 | Benzo(b)fluoranthene       | 0.13 U  | 0.31 | 0.13  | mg/kg |   |
| 191-24-2 | Benzo(g,h,i)perylene       | 0.17 U  | 0.31 | 0.17  | mg/kg |   |
| 207-08-9 | Benzo(k)fluoranthene       | 0.14 U  | 0.31 | 0.14  | mg/kg |   |
| 101-55-3 | 4-Bromophenyl phenyl ether | 0.12 U  | 0.31 | 0.12  | mg/kg |   |
| 85-68-7  | Butyl benzyl phthalate     | 0.15 U  | 0.31 | 0.15  | mg/kg |   |
| 100-51-6 | Benzyl Alcohol             | 0.11 U  | 0.31 | 0.11  | mg/kg |   |
| 91-58-7  | 2-Chloronaphthalene        | 0.087 U | 0.31 | 0.087 | mg/kg |   |
| 106-47-8 | 4-Chloroaniline            | 0.088 U | 0.31 | 0.088 | mg/kg |   |
| 86-74-8  | Carbazole                  | 0.13 U  | 0.31 | 0.13  | mg/kg |   |
| 218-01-9 | Chrysene                   | 0.10 U  | 0.31 | 0.10  | mg/kg |   |
| 111-91-1 | bis(2-Chloroethoxy)methane | 0.12 U  | 0.31 | 0.12  | mg/kg |   |
| 111-44-4 | bis(2-Chloroethyl)ether    | 0.067 U | 0.31 | 0.067 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-148                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-8                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 52.9     |
| Method:           | SW846 8270C SW846 3550B                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8270C

| CAS No.   | Compound                       | Result  | MQL  | SDL   | Units | Q |
|-----------|--------------------------------|---------|------|-------|-------|---|
| 7005-72-3 | 4-Chlorophenyl phenyl ether    | 0.096 U | 0.31 | 0.096 | mg/kg |   |
| 95-50-1   | 1,2-Dichlorobenzene            | 0.11 U  | 0.31 | 0.11  | mg/kg |   |
| 541-73-1  | 1,3-Dichlorobenzene            | 0.097 U | 0.31 | 0.097 | mg/kg |   |
| 106-46-7  | 1,4-Dichlorobenzene            | 0.087 U | 0.31 | 0.087 | mg/kg |   |
| 121-14-2  | 2,4-Dinitrotoluene             | 0.14 U  | 0.31 | 0.14  | mg/kg |   |
| 606-20-2  | 2,6-Dinitrotoluene             | 0.081 U | 0.31 | 0.081 | mg/kg |   |
| 91-94-1   | 3,3'-Dichlorobenzidine         | 0.13 U  | 0.62 | 0.13  | mg/kg |   |
| 57-97-6   | 7,12-Dimethylbenz(a)anthracene | 0.31 U  | 0.31 | 0.31  | mg/kg |   |
| 226-36-8  | Dibenz(a,h)acridine            | 0.31 U  | 0.31 | 0.31  | mg/kg |   |
| 53-70-3   | Dibenzo(a,h)anthracene         | 0.11 U  | 0.31 | 0.11  | mg/kg |   |
| 132-64-9  | Dibenzofuran                   | 0.086 U | 0.31 | 0.086 | mg/kg |   |
| 122-39-4  | Diphenylamine                  | 0.14 U  | 0.31 | 0.14  | mg/kg |   |
| 84-74-2   | Di-n-butyl phthalate           | 0.15 U  | 0.31 | 0.15  | mg/kg |   |
| 117-84-0  | Di-n-octyl phthalate           | 0.29 U  | 0.31 | 0.29  | mg/kg |   |
| 84-66-2   | Diethyl phthalate              | 0.087 U | 0.31 | 0.087 | mg/kg |   |
| 131-11-3  | Dimethyl phthalate             | 0.077 U | 0.31 | 0.077 | mg/kg |   |
| 117-81-7  | bis(2-Ethylhexyl)phthalate     | 0.16 U  | 0.31 | 0.16  | mg/kg |   |
| 206-44-0  | Fluoranthene                   | 0.14 U  | 0.31 | 0.14  | mg/kg |   |
| 86-73-7   | Fluorene                       | 0.095 U | 0.31 | 0.095 | mg/kg |   |
| 118-74-1  | Hexachlorobenzene              | 0.10 U  | 0.31 | 0.10  | mg/kg |   |
| 87-68-3   | Hexachlorobutadiene            | 0.095 U | 0.31 | 0.095 | mg/kg |   |
| 77-47-4   | Hexachlorocyclopentadiene      | 0.11 U  | 0.31 | 0.11  | mg/kg |   |
| 67-72-1   | Hexachloroethane               | 0.092 U | 0.31 | 0.092 | mg/kg |   |
| 95-13-6   | Indene                         | 1.6 U   | 1.6  | 1.6   | mg/kg |   |
| 193-39-5  | Indeno(1,2,3-cd)pyrene         | 0.12 U  | 0.31 | 0.12  | mg/kg |   |
| 78-59-1   | Isophorone                     | 0.082 U | 0.31 | 0.082 | mg/kg |   |
| 90-12-0   | 1-Methylnaphthalene            | 0.074 U | 0.31 | 0.074 | mg/kg |   |
| 91-57-6   | 2-Methylnaphthalene            | 0.083 U | 0.31 | 0.083 | mg/kg |   |
|           | 6-Methyl Chrysene              | 0.31 U  | 0.31 | 0.31  | mg/kg |   |
| 88-74-4   | 2-Nitroaniline                 | 0.081 U | 0.31 | 0.081 | mg/kg |   |
| 99-09-2   | 3-Nitroaniline                 | 0.12 U  | 0.31 | 0.12  | mg/kg |   |
| 100-01-6  | 4-Nitroaniline                 | 0.17 U  | 0.31 | 0.17  | mg/kg |   |
| 91-20-3   | Naphthalene                    | 0.076 U | 0.31 | 0.076 | mg/kg |   |
| 98-95-3   | Nitrobenzene                   | 0.087 U | 0.31 | 0.087 | mg/kg |   |
| 621-64-7  | N-Nitroso-di-n-propylamine     | 0.13 U  | 0.31 | 0.13  | mg/kg |   |
| 86-30-6   | N-Nitrosodiphenylamine         | 0.14 U  | 0.31 | 0.14  | mg/kg |   |
| 85-01-8   | Phenanthrene                   | 0.12 U  | 0.31 | 0.12  | mg/kg |   |
| 129-00-0  | Pyrene                         | 0.15 U  | 0.31 | 0.15  | mg/kg |   |
| 91-22-5   | Quinoline                      | 0.31 U  | 0.31 | 0.31  | mg/kg |   |
| 120-82-1  | 1,2,4-Trichlorobenzene         | 0.082 U | 0.31 | 0.082 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|  |                                |
|--|--------------------------------|
| <b>Client Sample ID:</b> FR-148                              | <b>Date Sampled:</b> 12/11/07  |
| <b>Lab Sample ID:</b> T20073-8                               | <b>Date Received:</b> 12/12/07 |
| <b>Matrix:</b> SO - Soil                                     | <b>Percent Solids:</b> 52.9    |
| <b>Method:</b> SW846 8270C SW846 3550B                       |                                |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |                                |

**SW-846 8270C**

| CAS No.  | Compound                | Result | MQL  | SDL  | Units | Q |
|----------|-------------------------|--------|------|------|-------|---|
|          | 1,3&1,4-Cyclohexanediol | 0.31 U | 0.31 | 0.31 | mg/kg |   |
| 931-17-9 | 1,2-Cyclohexanediol     | 0.31 U | 0.31 | 0.31 | mg/kg |   |
| 98-85-1  | 1-Phenylethanol         | 0.31 U | 0.31 | 0.31 | mg/kg |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 367-12-4  | 2-Fluorophenol       | 59%    |        | 26-124% |
| 4165-62-2 | Phenol-d5            | 62%    |        | 19-106% |
| 118-79-6  | 2,4,6-Tribromophenol | 69%    |        | 18-129% |
| 4165-60-0 | Nitrobenzene-d5      | 62%    |        | 18-104% |
| 321-60-8  | 2-Fluorobiphenyl     | 68%    |        | 21-114% |
| 1718-51-0 | Terphenyl-d14        | 77%    |        | 24-149% |

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-148                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-8                                     | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 52.9     |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## Metals Analysis

| Analyte   | Result   | MQL   | SDL    | Units | DF | Prep     | Analyzed By | Method                      | Prep Method              |
|-----------|----------|-------|--------|-------|----|----------|-------------|-----------------------------|--------------------------|
| Aluminum  | 5420     | 37    | 8.1    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Antimony  | 0.50 U   | 1.8   | 0.50   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Arsenic   | 7.2      | 1.8   | 0.37   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Barium    | 129      | 37    | 0.11   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Beryllium | 0.23 B   | 0.92  | 0.037  | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Cadmium   | 0.18 U   | 0.92  | 0.18   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Calcium   | 24500    | 920   | 3.2    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Chromium  | 4.9      | 1.8   | 0.13   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Cobalt    | 1.8 B    | 9.2   | 0.33   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Copper    | 5.0      | 4.6   | 0.24   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Iron      | 3920     | 18    | 4.1    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Lead      | 8.3      | 1.8   | 0.74   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Magnesium | 5720     | 920   | 2.1    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Manganese | 319      | 2.8   | 0.13   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Mercury   | 0.0022 B | 0.030 | 0.0012 | mg/kg | 1  | 12/20/07 | 12/20/07    | NS SW846 7471A <sup>1</sup> | SW846 7471A <sup>4</sup> |
| Nickel    | 3.1 B    | 7.4   | 0.24   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Potassium | 1070     | 920   | 57     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Selenium  | 0.44 U   | 1.8   | 0.44   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Silver    | 0.15 U   | 1.8   | 0.15   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Sodium    | 2590     | 920   | 50     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Thallium  | 0.92 U   | 3.7   | 0.92   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Vanadium  | 10.5     | 9.2   | 0.22   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |
| Zinc      | 144      | 3.7   | 0.74   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3050B <sup>3</sup> |

(1) Instrument QC Batch: MA3291

(2) Instrument QC Batch: MA3293

(3) Prep QC Batch: MP7062

(4) Prep QC Batch: MP7072

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis



|  |                                |
|--|--------------------------------|
| <b>Client Sample ID:</b> FR-148                              | <b>Date Sampled:</b> 12/11/07  |
| <b>Lab Sample ID:</b> T20073-8                               | <b>Date Received:</b> 12/12/07 |
| <b>Matrix:</b> SO - Soil                                     | <b>Percent Solids:</b> 52.9    |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |                                |

### General Chemistry

| Analyte                           | Result | MQL | SDL | Units | DF | Analyzed | By  | Method            |
|-----------------------------------|--------|-----|-----|-------|----|----------|-----|-------------------|
| Chromium, Hexavalent <sup>a</sup> | 1.9 U  | 3.8 | 1.9 | mg/kg | 1  | 12/28/07 | AFL | SW846 3060A/7196A |
| Solids, Percent                   | 52.9   |     |     | %     | 1  | 12/14/07 | SS  | EPA 160.3 M       |

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-149                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-9                                     | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|------------|----|----------|----|-----------|------------|------------------|
| Run #1 | Y0018619.D | 1  | 12/13/07 | LJ | n/a       | n/a        | VY1521           |
| Run #2 |            |    |          |    |           |            |                  |

| Run #  | Purge Volume |
|--------|--------------|
| Run #1 | 5.0 ml       |
| Run #2 |              |

## SW-846 8260B

| CAS No.    | Compound                    | Result    | MLQ    | SDL     | Units | Q |
|------------|-----------------------------|-----------|--------|---------|-------|---|
| 67-64-1    | Acetone                     | 0.0030    | 0.050  | 0.0026  | mg/l  | J |
| 71-43-2    | Benzene                     | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |
| 108-86-1   | Bromobenzene                | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 74-97-5    | Bromochloromethane          | 0.00049 U | 0.0020 | 0.00049 | mg/l  |   |
| 75-27-4    | Bromodichloromethane        | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 75-25-2    | Bromoform                   | 0.0014 U  | 0.0020 | 0.0014  | mg/l  |   |
| 71-36-3    | n-Butyl Alcohol             | 0.020 U   | 0.020  | 0.020   | mg/l  |   |
| 104-51-8   | n-Butylbenzene              | 0.00055 U | 0.0020 | 0.00055 | mg/l  |   |
| 98-06-6    | tert-Butylbenzene           | 0.00083 U | 0.0020 | 0.00083 | mg/l  |   |
| 108-90-7   | Chlorobenzene               | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 75-00-3    | Chloroethane                | 0.00039 U | 0.0020 | 0.00039 | mg/l  |   |
| 67-66-3    | Chloroform                  | 0.00054 U | 0.0020 | 0.00054 | mg/l  |   |
| 95-49-8    | o-Chlorotoluene             | 0.00038 U | 0.0020 | 0.00038 | mg/l  |   |
| 106-43-4   | p-Chlorotoluene             | 0.00050 U | 0.0020 | 0.00050 | mg/l  |   |
| 75-15-0    | Carbon disulfide            | 0.00051 U | 0.0020 | 0.00051 | mg/l  |   |
| 56-23-5    | Carbon tetrachloride        | 0.00045 U | 0.0020 | 0.00045 | mg/l  |   |
| 110-82-7   | Cyclohexane                 | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 75-34-3    | 1,1-Dichloroethane          | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 75-35-4    | 1,1-Dichloroethylene        | 0.00048 U | 0.0020 | 0.00048 | mg/l  |   |
| 563-58-6   | 1,1-Dichloropropene         | 0.00035 U | 0.0020 | 0.00035 | mg/l  |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 0.0011 U  | 0.0020 | 0.0011  | mg/l  |   |
| 106-93-4   | 1,2-Dibromoethane           | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 107-06-2   | 1,2-Dichloroethane          | 0.00050 U | 0.0020 | 0.00050 | mg/l  |   |
| 78-87-5    | 1,2-Dichloropropane         | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 142-28-9   | 1,3-Dichloropropane         | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 123-91-1   | 1,4-Dioxane                 | 0.13 U    | 0.25   | 0.13    | mg/l  |   |
| 594-20-7   | 2,2-Dichloropropane         | 0.00058 U | 0.0020 | 0.00058 | mg/l  |   |
| 124-48-1   | Dibromochloromethane        | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |
| 75-71-8    | Dichlorodifluoromethane     | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | 0.00043 U | 0.0020 | 0.00043 | mg/l  |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-149                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-9                                     | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8260B

| CAS No.    | Compound                  | Result    | MQL    | SDL     | Units | Q |
|------------|---------------------------|-----------|--------|---------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | 0.00036 U | 0.0020 | 0.00036 | mg/l  |   |
| 100-41-4   | Ethylbenzene              | 0.00045 U | 0.0020 | 0.00045 | mg/l  |   |
| 60-29-7    | Ethyl Ether               | 0.0020 U  | 0.0020 | 0.0020  | mg/l  |   |
| 110-54-3   | hexane                    | 0.00061 U | 0.0020 | 0.00061 | mg/l  |   |
| 591-78-6   | 2-Hexanone                | 0.0024 U  | 0.010  | 0.0024  | mg/l  |   |
| 87-68-3    | Hexachlorobutadiene       | 0.0012 U  | 0.0020 | 0.0012  | mg/l  |   |
| 98-82-8    | Isopropylbenzene          | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 99-87-6    | p-Isopropyltoluene        | 0.00040 U | 0.0020 | 0.00040 | mg/l  |   |
| 108-10-1   | 4-Methyl-2-pentanone      | 0.0025 U  | 0.010  | 0.0025  | mg/l  |   |
| 74-83-9    | Methyl bromide            | 0.00054 U | 0.0020 | 0.00054 | mg/l  |   |
| 74-87-3    | Methyl chloride           | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 74-95-3    | Methylene bromide         | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 75-09-2    | Methylene chloride        | 0.00041 U | 0.0050 | 0.00041 | mg/l  |   |
| 78-93-3    | Methyl ethyl ketone       | 0.0025 U  | 0.010  | 0.0025  | mg/l  |   |
| 103-65-1   | n-Propylbenzene           | 0.00051 U | 0.0020 | 0.00051 | mg/l  |   |
| 100-42-5   | Styrene                   | 0.00035 U | 0.0020 | 0.00035 | mg/l  |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | 0.00037 U | 0.0020 | 0.00037 | mg/l  |   |
| 71-55-6    | 1,1,1-Trichloroethane     | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 79-00-5    | 1,1,2-Trichloroethane     | 0.00044 U | 0.0020 | 0.00044 | mg/l  |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | 0.00043 U | 0.0020 | 0.00043 | mg/l  |   |
| 96-18-4    | 1,2,3-Trichloropropane    | 0.00069 U | 0.0020 | 0.00069 | mg/l  |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | 0.00044 U | 0.0020 | 0.00044 | mg/l  |   |
| 127-18-4   | Tetrachloroethylene       | 0.00050 U | 0.0020 | 0.00050 | mg/l  |   |
| 108-88-3   | Toluene                   | 0.00048 U | 0.0020 | 0.00048 | mg/l  |   |
| 79-01-6    | Trichloroethylene         | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 75-69-4    | Trichlorofluoromethane    | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 75-01-4    | Vinyl chloride            | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 108-05-4   | Vinyl Acetate             | 0.0023 U  | 0.010  | 0.0023  | mg/l  |   |
| 1330-20-7  | Xylene (total)            | 0.0014 U  | 0.0060 | 0.0014  | mg/l  |   |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7  | Dibromofluoromethane  | 107%   |        | 76-125% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 106%   |        | 69-128% |
| 2037-26-5  | Toluene-D8            | 118%   |        | 80-121% |
| 460-00-4   | 4-Bromofluorobenzene  | 120%   |        | 69-142% |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-149                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-9                                     | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Method:           | SW846 8270C SW846 3510C                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | H24813.D | 1  | 12/14/07 | SC | 12/14/07  | OP8713     | EH1393           |
| Run #2 |          |    |          |    |           |            |                  |

| Run #  | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1000 ml        | 1.0 ml       |
| Run #2 |                |              |

## SW-846 8270C

| CAS No.  | Compound                   | Result    | MLQ    | SDL     | Units | Q |
|----------|----------------------------|-----------|--------|---------|-------|---|
| 108-98-5 | Benzenethiol               | 0.010 U   | 0.010  | 0.010   | mg/l  |   |
| 65-85-0  | Benzoic Acid               | 0.00058 U | 0.010  | 0.00058 | mg/l  |   |
| 95-57-8  | 2-Chlorophenol             | 0.0014 U  | 0.0050 | 0.0014  | mg/l  |   |
| 59-50-7  | 4-Chloro-3-methyl phenol   | 0.0012 U  | 0.0050 | 0.0012  | mg/l  |   |
| 120-83-2 | 2,4-Dichlorophenol         | 0.0018 U  | 0.0050 | 0.0018  | mg/l  |   |
| 105-67-9 | 2,4-Dimethylphenol         | 0.0026 U  | 0.0050 | 0.0026  | mg/l  |   |
| 51-28-5  | 2,4-Dinitrophenol          | 0.0024 U  | 0.025  | 0.0024  | mg/l  |   |
| 534-52-1 | 4,6-Dinitro-o-cresol       | 0.0039 U  | 0.010  | 0.0039  | mg/l  |   |
| 95-48-7  | 2-Methylphenol             | 0.0012 U  | 0.0050 | 0.0012  | mg/l  |   |
|          | 3&4-Methylphenol           | 0.0011 U  | 0.0050 | 0.0011  | mg/l  |   |
| 100-02-7 | 4-Nitrophenol              | 0.0017 U  | 0.025  | 0.0017  | mg/l  |   |
| 87-86-5  | Pentachlorophenol          | 0.0040 U  | 0.025  | 0.0040  | mg/l  |   |
| 108-95-2 | Phenol                     | 0.00052 U | 0.0050 | 0.00052 | mg/l  |   |
| 95-95-4  | 2,4,5-Trichlorophenol      | 0.0018 U  | 0.0050 | 0.0018  | mg/l  |   |
| 88-06-2  | 2,4,6-Trichlorophenol      | 0.0015 U  | 0.0050 | 0.0015  | mg/l  |   |
| 83-32-9  | Acenaphthene               | 0.0015 U  | 0.0050 | 0.0015  | mg/l  |   |
| 208-96-8 | Acenaphthylene             | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 120-12-7 | Anthracene                 | 0.0018 U  | 0.0050 | 0.0018  | mg/l  |   |
| 56-55-3  | Benzo(a)anthracene         | 0.0014 U  | 0.0050 | 0.0014  | mg/l  |   |
| 50-32-8  | Benzo(a)pyrene             | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 205-99-2 | Benzo(b)fluoranthene       | 0.0015 U  | 0.0050 | 0.0015  | mg/l  |   |
| 191-24-2 | Benzo(g,h,i)perylene       | 0.0025 U  | 0.0050 | 0.0025  | mg/l  |   |
| 207-08-9 | Benzo(k)fluoranthene       | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 101-55-3 | 4-Bromophenyl phenyl ether | 0.0021 U  | 0.0050 | 0.0021  | mg/l  |   |
| 85-68-7  | Butyl benzyl phthalate     | 0.0017 U  | 0.0050 | 0.0017  | mg/l  |   |
| 100-51-6 | Benzyl Alcohol             | 0.0019 U  | 0.0050 | 0.0019  | mg/l  |   |
| 91-58-7  | 2-Chloronaphthalene        | 0.0012 U  | 0.0050 | 0.0012  | mg/l  |   |
| 106-47-8 | 4-Chloroaniline            | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 86-74-8  | Carbazole                  | 0.0017 U  | 0.0050 | 0.0017  | mg/l  |   |
| 218-01-9 | Chrysene                   | 0.0013 U  | 0.0050 | 0.0013  | mg/l  |   |
| 111-91-1 | bis(2-Chloroethoxy)methane | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 111-44-4 | bis(2-Chloroethyl)ether    | 0.0012 U  | 0.0050 | 0.0012  | mg/l  |   |

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-149                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-9                                     | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Method:           | SW846 8270C SW846 3510C                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8270C

| CAS No.   | Compound                       | Result   | MQL    | SDL    | Units | Q |
|-----------|--------------------------------|----------|--------|--------|-------|---|
| 7005-72-3 | 4-Chlorophenyl phenyl ether    | 0.0015 U | 0.0050 | 0.0015 | mg/l  |   |
| 95-50-1   | 1,2-Dichlorobenzene            | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 541-73-1  | 1,3-Dichlorobenzene            | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 106-46-7  | 1,4-Dichlorobenzene            | 0.0015 U | 0.0050 | 0.0015 | mg/l  |   |
| 121-14-2  | 2,4-Dinitrotoluene             | 0.0024 U | 0.0050 | 0.0024 | mg/l  |   |
| 606-20-2  | 2,6-Dinitrotoluene             | 0.0017 U | 0.0050 | 0.0017 | mg/l  |   |
| 91-94-1   | 3,3'-Dichlorobenzidine         | 0.0037 U | 0.010  | 0.0037 | mg/l  |   |
| 57-97-6   | 7,12-Dimethylbenz(a)anthracene | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
| 226-36-8  | Dibenz(a,h)acridine            | 0.0010 U | 0.0050 | 0.0010 | mg/l  |   |
| 53-70-3   | Dibenzo(a,h)anthracene         | 0.0013 U | 0.0050 | 0.0013 | mg/l  |   |
| 132-64-9  | Dibenzofuran                   | 0.0023 U | 0.0050 | 0.0023 | mg/l  |   |
| 122-39-4  | Diphenylamine                  | 0.0019 U | 0.0050 | 0.0019 | mg/l  |   |
| 84-74-2   | Di-n-butyl phthalate           | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 117-84-0  | Di-n-octyl phthalate           | 0.0013 U | 0.0050 | 0.0013 | mg/l  |   |
| 84-66-2   | Diethyl phthalate              | 0.0011 U | 0.0050 | 0.0011 | mg/l  |   |
| 131-11-3  | Dimethyl phthalate             | 0.0018 U | 0.0050 | 0.0018 | mg/l  |   |
| 117-81-7  | bis(2-Ethylhexyl)phthalate     | 0.0015 U | 0.0050 | 0.0015 | mg/l  |   |
| 206-44-0  | Fluoranthene                   | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 86-73-7   | Fluorene                       | 0.0021 U | 0.0050 | 0.0021 | mg/l  |   |
| 118-74-1  | Hexachlorobenzene              | 0.0019 U | 0.0050 | 0.0019 | mg/l  |   |
| 87-68-3   | Hexachlorobutadiene            | 0.0019 U | 0.0050 | 0.0019 | mg/l  |   |
| 77-47-4   | Hexachlorocyclopentadiene      | 0.0014 U | 0.0050 | 0.0014 | mg/l  |   |
| 67-72-1   | Hexachloroethane               | 0.0017 U | 0.0050 | 0.0017 | mg/l  |   |
| 95-13-6   | Indene                         | 0.014 U  | 0.015  | 0.014  | mg/l  |   |
| 193-39-5  | Indeno(1,2,3-cd)pyrene         | 0.0024 U | 0.0050 | 0.0024 | mg/l  |   |
| 78-59-1   | Isophorone                     | 0.0012 U | 0.0050 | 0.0012 | mg/l  |   |
| 90-12-0   | 1-Methylnaphthalene            | 0.0017 U | 0.0050 | 0.0017 | mg/l  |   |
| 91-57-6   | 2-Methylnaphthalene            | 0.0020 U | 0.0050 | 0.0020 | mg/l  |   |
|           | 6-Methyl Chrysene              | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
| 88-74-4   | 2-Nitroaniline                 | 0.0021 U | 0.0050 | 0.0021 | mg/l  |   |
| 99-09-2   | 3-Nitroaniline                 | 0.0027 U | 0.0050 | 0.0027 | mg/l  |   |
| 100-01-6  | 4-Nitroaniline                 | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
| 91-20-3   | Naphthalene                    | 0.0015 U | 0.0050 | 0.0015 | mg/l  |   |
| 98-95-3   | Nitrobenzene                   | 0.0014 U | 0.0050 | 0.0014 | mg/l  |   |
| 621-64-7  | N-Nitroso-di-n-propylamine     | 0.0017 U | 0.0050 | 0.0017 | mg/l  |   |
| 86-30-6   | N-Nitrosodiphenylamine         | 0.0019 U | 0.0050 | 0.0019 | mg/l  |   |
| 85-01-8   | Phenanthrene                   | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 129-00-0  | Pyrene                         | 0.0011 U | 0.0050 | 0.0011 | mg/l  |   |
| 91-22-5   | Quinoline                      | 0.0010 U | 0.0050 | 0.0010 | mg/l  |   |
| 120-82-1  | 1,2,4-Trichlorobenzene         | 0.0010 U | 0.0050 | 0.0010 | mg/l  |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|  |  |                                |
|--|--|--------------------------------|
| <b>Client Sample ID:</b> FR-149                              |  | <b>Date Sampled:</b> 12/11/07  |
| <b>Lab Sample ID:</b> T20073-9                               |  | <b>Date Received:</b> 12/12/07 |
| <b>Matrix:</b> AQ - Water                                    |  | <b>Percent Solids:</b> n/a     |
| <b>Method:</b> SW846 8270C SW846 3510C                       |  |                                |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |  |                                |

**SW-846 8270C**

| CAS No.  | Compound                | Result   | MQL    | SDL    | Units | Q |
|----------|-------------------------|----------|--------|--------|-------|---|
| 98-85-1  | 1-Phenylethanol         | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
| 931-17-9 | 1,2-Cyclohexanediol     | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
|          | 1,3&1,4-Cyclohexanediol | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 367-12-4  | 2-Fluorophenol       | 42%    |        | 10-66%  |
| 4165-62-2 | Phenol-d5            | 30%    |        | 10-53%  |
| 118-79-6  | 2,4,6-Tribromophenol | 57%    |        | 32-128% |
| 4165-60-0 | Nitrobenzene-d5      | 64%    |        | 29-115% |
| 321-60-8  | 2-Fluorobiphenyl     | 69%    |        | 34-113% |
| 1718-51-0 | Terphenyl-d14        | 90%    |        | 12-145% |

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|  |                                |
|--|--------------------------------|
| <b>Client Sample ID:</b> FR-149                              |                                |
| <b>Lab Sample ID:</b> T20073-9                               | <b>Date Sampled:</b> 12/11/07  |
| <b>Matrix:</b> AQ - Water                                    | <b>Date Received:</b> 12/12/07 |
| <b>Method:</b> SW846 8270C BY SIM SW846 3510C                | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |                                |

|        | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | A24888.D | 1  | 12/14/07 | SC | 12/14/07  | OP8714     | EA1543           |
| Run #2 |          |    |          |    |           |            |                  |

|        | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1000 ml        | 1.0 ml       |
| Run #2 |                |              |

**BN PAH List**

| CAS No.  | Compound             | Result     | MQL     | SDL      | Units | Q |
|----------|----------------------|------------|---------|----------|-------|---|
| 56-55-3  | Benzo(a)anthracene   | 0.000055 U | 0.00020 | 0.000055 | mg/l  |   |
| 50-32-8  | Benzo(a)pyrene       | 0.000099 U | 0.00020 | 0.000099 | mg/l  |   |
| 205-99-2 | Benzo(b)fluoranthene | 0.000056 U | 0.00020 | 0.000056 | mg/l  |   |
| 207-08-9 | Benzo(k)fluoranthene | 0.000046 U | 0.00020 | 0.000046 | mg/l  |   |

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|  |                                |
|--|--------------------------------|
| <b>Client Sample ID:</b> FR-149                              |                                |
| <b>Lab Sample ID:</b> T20073-9                               | <b>Date Sampled:</b> 12/11/07  |
| <b>Matrix:</b> AQ - Water                                    | <b>Date Received:</b> 12/12/07 |
| <b>Method:</b> SW846 8151 SW846 3510C                        | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |                                |

| Run #  | File ID   | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | GG39414.D | 1  | 12/19/07 | FO | 12/17/07  | OP8730     | GGG1217          |
| Run #2 |           |    |          |    |           |            |                  |

| Run #  | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1000 ml        | 10.0 ml      |
| Run #2 |                |              |

### Herbicide List

| CAS No.   | Compound          | Result     | ML        | SDL      | Units | Q |
|-----------|-------------------|------------|-----------|----------|-------|---|
| 94-75-7   | 2,4-D             | 0.00080 U  | 0.0015    | 0.00080  | mg/l  |   |
| 93-72-1   | 2,4,5-TP (Silvex) | 0.00015 U  | 0.00020   | 0.00015  | mg/l  |   |
| 93-76-5   | 2,4,5-T           | 0.00012 U  | 0.00020   | 0.00012  | mg/l  |   |
| 1918-00-9 | Dicamba           | 0.000080 U | 0.00020   | 0.000080 | mg/l  |   |
| 88-85-7   | Dinoseb           | 0.000090 U | 0.00020   | 0.000090 | mg/l  |   |
| 75-99-0   | Dalapon           | 0.0010 U   | 0.0010    | 0.0010   | mg/l  |   |
| 120-36-5  | Dichloroprop      | 0.00051 U  | 0.0010    | 0.00051  | mg/l  |   |
| 94-82-6   | 2,4-DB            | 0.0019 U   | 0.0020    | 0.0019   | mg/l  |   |
| 93-65-2   | MCPP              | 0.050 U    | 0.050     |          | mg/l  |   |
| 94-74-6   | MCPA              | 0.050 U    | 0.050     |          | mg/l  |   |
| 87-86-5   | Pentachlorophenol | 0.000040 U | 0.0000500 | 0.000040 | mg/l  |   |

| CAS No.    | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|------------|----------------------|--------|--------|---------|
| 19719-28-9 | 2,4-DCAA             | 91%    |        | 34-179% |

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-149                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-9                                     | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Method:           | SW846 8081A SW846 3510C                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID   | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | NN00473.D | 1  | 12/18/07 | FO | 12/17/07  | OP8723     | GNN12            |
| Run #2 |           |    |          |    |           |            |                  |

| Run #  | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1000 ml        | 10.0 ml      |
| Run #2 |                |              |

## Pesticide TCL List

| CAS No.    | Compound            | Result      | ML        | SDL       | Units | Q |
|------------|---------------------|-------------|-----------|-----------|-------|---|
| 309-00-2   | Aldrin              | 0.000014 U  | 0.0000500 | 0.000014  | mg/l  |   |
| 319-84-6   | alpha-BHC           | 0.000012 U  | 0.0000500 | 0.000012  | mg/l  |   |
| 319-85-7   | beta-BHC            | 0.0000080 U | 0.0000500 | 0.0000080 | mg/l  |   |
| 319-86-8   | delta-BHC           | 0.000015 U  | 0.0000500 | 0.000015  | mg/l  |   |
| 58-89-9    | gamma-BHC (Lindane) | 0.0000070 U | 0.0000500 | 0.0000070 | mg/l  |   |
| 5103-71-9  | alpha-Chlordane     | 0.0000080 U | 0.0000500 | 0.0000080 | mg/l  |   |
| 5103-74-2  | gamma-Chlordane     | 0.0000080 U | 0.0000500 | 0.0000080 | mg/l  |   |
| 60-57-1    | Dieldrin            | 0.000013 U  | 0.00010   | 0.000013  | mg/l  |   |
| 72-54-8    | 4,4'-DDD            | 0.000015 U  | 0.00010   | 0.000015  | mg/l  |   |
| 72-55-9    | 4,4'-DDE            | 0.000017 U  | 0.00010   | 0.000017  | mg/l  |   |
| 50-29-3    | 4,4'-DDT            | 0.000013 U  | 0.00010   | 0.000013  | mg/l  |   |
| 72-20-8    | Endrin              | 0.000019 U  | 0.00010   | 0.000019  | mg/l  |   |
| 1031-07-8  | Endosulfan sulfate  | 0.000014 U  | 0.00010   | 0.000014  | mg/l  |   |
| 7421-93-4  | Endrin aldehyde     | 0.000017 U  | 0.00010   | 0.000017  | mg/l  |   |
| 53494-70-5 | Endrin ketone       | 0.000013 U  | 0.00010   | 0.000013  | mg/l  |   |
| 959-98-8   | Endosulfan-I        | 0.0000080 U | 0.00010   | 0.0000080 | mg/l  |   |
| 33213-65-9 | Endosulfan-II       | 0.000013 U  | 0.00010   | 0.000013  | mg/l  |   |
| 76-44-8    | Heptachlor          | 0.000010 U  | 0.0000500 | 0.000010  | mg/l  |   |
| 1024-57-3  | Heptachlor epoxide  | 0.0000060 U | 0.0000500 | 0.0000060 | mg/l  |   |
| 72-43-5    | Methoxychlor        | 0.000078 U  | 0.00050   | 0.000078  | mg/l  |   |
| 8001-35-2  | Toxaphene           | 0.00020 U   | 0.00050   | 0.00020   | mg/l  |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 877-09-8  | Tetrachloro-m-xylene | 71%    |        | 10-117% |
| 2051-24-3 | Decachlorobiphenyl   | 76%    |        | 10-120% |

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|  |                                |
|--|--------------------------------|
| <b>Client Sample ID:</b> FR-149                              |                                |
| <b>Lab Sample ID:</b> T20073-9                               | <b>Date Sampled:</b> 12/11/07  |
| <b>Matrix:</b> AQ - Water                                    | <b>Date Received:</b> 12/12/07 |
| <b>Method:</b> SW846 8082 SW846 3510C                        | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |                                |

| Run #  | File ID   | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | DD69987.D | 1  | 12/18/07 | FO | 12/17/07  | OP8724     | GDD1361          |
| Run #2 |           |    |          |    |           |            |                  |

| Run #  | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1000 ml        | 10.0 ml      |
| Run #2 |                |              |

**PCB List**

| CAS No.    | Compound     | Result    | MQL     | SDL     | Units | Q |
|------------|--------------|-----------|---------|---------|-------|---|
| 12674-11-2 | Aroclor 1016 | 0.00050 U | 0.00050 | 0.00050 | mg/l  |   |
| 11104-28-2 | Aroclor 1221 | 0.00050 U | 0.00050 | 0.00050 | mg/l  |   |
| 11141-16-5 | Aroclor 1232 | 0.00034 U | 0.00050 | 0.00034 | mg/l  |   |
| 53469-21-9 | Aroclor 1242 | 0.00016 U | 0.00050 | 0.00016 | mg/l  |   |
| 12672-29-6 | Aroclor 1248 | 0.00037 U | 0.00050 | 0.00037 | mg/l  |   |
| 11097-69-1 | Aroclor 1254 | 0.00017 U | 0.00050 | 0.00017 | mg/l  |   |
| 11096-82-5 | Aroclor 1260 | 0.00023 U | 0.00050 | 0.00023 | mg/l  |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 877-09-8  | Tetrachloro-m-xylene | 66%    |        | 16-131% |
| 2051-24-3 | Decachlorobiphenyl   | 78%    |        | 12-140% |

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-149                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-9                                     | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## Metals Analysis

| Analyte   | Result  | MQL   | SDL   | Units | DF | Prep     | Analyzed By | Method                      | Prep Method              |
|-----------|---------|-------|-------|-------|----|----------|-------------|-----------------------------|--------------------------|
| Aluminum  | 86 U    | 200   | 86    | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Antimony  | 2.7 U   | 5.0   | 2.7   | ug/l  | 1  | 12/17/07 | 12/23/07    | NS SW846 6010B <sup>3</sup> | SW846 3010A <sup>5</sup> |
| Arsenic   | 2.7 U   | 5.0   | 2.7   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Barium    | 378     | 200   | 2.4   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Beryllium | 0.26 B  | 5.0   | 0.26  | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Cadmium   | 1.8 U   | 4.0   | 1.8   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Calcium   | 49500   | 5000  | 170   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Chromium  | 1.5 U   | 10    | 1.5   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Cobalt    | 9.6 U   | 50    | 9.6   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Copper    | 7.7 B   | 25    | 5.9   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Iron      | 39.5 B  | 100   | 24    | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Lead      | 2.8 U   | 3.0   | 2.8   | ug/l  | 1  | 12/20/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3010A <sup>6</sup> |
| Magnesium | 237000  | 5000  | 13    | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Manganese | 6.6 B   | 15    | 4.1   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Mercury   | 0.094 U | 0.20  | 0.094 | ug/l  | 1  | 12/24/07 | 12/24/07    | NS SW846 7470A <sup>4</sup> | SW846 7470A <sup>7</sup> |
| Nickel    | 2.6 U   | 40    | 2.6   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Potassium | 85500   | 5000  | 160   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Selenium  | 2.3 U   | 5.0   | 2.3   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Silver    | 1.1 U   | 10    | 1.1   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Sodium    | 2390000 | 50000 | 3300  | ug/l  | 10 | 12/17/07 | 12/23/07    | NS SW846 6010B <sup>3</sup> | SW846 3010A <sup>5</sup> |
| Thallium  | 2.7 U   | 10    | 2.7   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Vanadium  | 0.94 U  | 50    | 0.94  | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Zinc      | 18.2 B  | 20    | 7.5   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |

- (1) Instrument QC Batch: MA3284  
(2) Instrument QC Batch: MA3293  
(3) Instrument QC Batch: MA3294  
(4) Instrument QC Batch: MA3296  
(5) Prep QC Batch: MP7047  
(6) Prep QC Batch: MP7068  
(7) Prep QC Batch: MP7085

MQL = Method Quantitation Limit  
SDL = Sample Detection Limit

U = Indicates a result < SDL  
B = Indicates a result >= SDL but < MQL

## Report of Analysis

3.9  
3

|  |                                |
|--|--------------------------------|
| <b>Client Sample ID:</b> FR-149                              | <b>Date Sampled:</b> 12/11/07  |
| <b>Lab Sample ID:</b> T20073-9                               | <b>Date Received:</b> 12/12/07 |
| <b>Matrix:</b> AQ - Water                                    | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |                                |

### General Chemistry

| Analyte              | Result   | MQL   | SDL    | Units | DF | Analyzed       | By | Method      |
|----------------------|----------|-------|--------|-------|----|----------------|----|-------------|
| Chromium, Hexavalent | 0.0040 U | 0.010 | 0.0040 | mg/l  | 1  | 12/12/07 07:15 | SS | SW846 7196A |

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-150                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-10                                    | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 40.8     |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|------------|----|----------|----|-----------|------------|------------------|
| Run #1 | M0001284.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |
| Run #2 |            |    |          |    |           |            |                  |

| Run #  | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 5.41 g         | 5.0 ml       |
| Run #2 |                |              |

## SW-846 8260B

| CAS No.    | Compound                    | Result   | MLQ   | SDL    | Units | Q |
|------------|-----------------------------|----------|-------|--------|-------|---|
| 67-64-1    | Acetone                     | 0.0722   | 0.11  | 0.016  | mg/kg | J |
| 71-43-2    | Benzene                     | 0.0031 U | 0.011 | 0.0031 | mg/kg |   |
| 108-86-1   | Bromobenzene                | 0.0029 U | 0.011 | 0.0029 | mg/kg |   |
| 74-97-5    | Bromochloromethane          | 0.0033 U | 0.011 | 0.0033 | mg/kg |   |
| 75-27-4    | Bromodichloromethane        | 0.0032 U | 0.011 | 0.0032 | mg/kg |   |
| 75-25-2    | Bromoform                   | 0.0028 U | 0.011 | 0.0028 | mg/kg |   |
| 71-36-3    | n-Butyl Alcohol             | 0.11 U   | 0.11  | 0.11   | mg/kg |   |
| 104-51-8   | n-Butylbenzene              | 0.0022 U | 0.011 | 0.0022 | mg/kg |   |
| 98-06-6    | tert-Butylbenzene           | 0.0023 U | 0.011 | 0.0023 | mg/kg |   |
| 108-90-7   | Chlorobenzene               | 0.0032 U | 0.011 | 0.0032 | mg/kg |   |
| 75-00-3    | Chloroethane                | 0.0032 U | 0.011 | 0.0032 | mg/kg |   |
| 67-66-3    | Chloroform                  | 0.0028 U | 0.011 | 0.0028 | mg/kg |   |
| 95-49-8    | o-Chlorotoluene             | 0.0027 U | 0.011 | 0.0027 | mg/kg |   |
| 106-43-4   | p-Chlorotoluene             | 0.0026 U | 0.011 | 0.0026 | mg/kg |   |
| 75-15-0    | Carbon disulfide            | 0.0029 U | 0.023 | 0.0029 | mg/kg |   |
| 56-23-5    | Carbon tetrachloride        | 0.0025 U | 0.011 | 0.0025 | mg/kg |   |
| 110-82-7   | Cyclohexane                 | 0.0026 U | 0.011 | 0.0026 | mg/kg |   |
| 75-34-3    | 1,1-Dichloroethane          | 0.0029 U | 0.011 | 0.0029 | mg/kg |   |
| 75-35-4    | 1,1-Dichloroethylene        | 0.0029 U | 0.011 | 0.0029 | mg/kg |   |
| 563-58-6   | 1,1-Dichloropropene         | 0.0027 U | 0.011 | 0.0027 | mg/kg |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 0.0032 U | 0.011 | 0.0032 | mg/kg |   |
| 106-93-4   | 1,2-Dibromoethane           | 0.0032 U | 0.011 | 0.0032 | mg/kg |   |
| 107-06-2   | 1,2-Dichloroethane          | 0.0031 U | 0.011 | 0.0031 | mg/kg |   |
| 78-87-5    | 1,2-Dichloropropane         | 0.0033 U | 0.011 | 0.0033 | mg/kg |   |
| 142-28-9   | 1,3-Dichloropropane         | 0.0033 U | 0.011 | 0.0033 | mg/kg |   |
| 123-91-1   | 1,4-Dioxane                 | 0.054 U  | 0.57  | 0.054  | mg/kg |   |
| 594-20-7   | 2,2-Dichloropropane         | 0.0025 U | 0.011 | 0.0025 | mg/kg |   |
| 124-48-1   | Dibromochloromethane        | 0.0031 U | 0.011 | 0.0031 | mg/kg |   |
| 75-71-8    | Dichlorodifluoromethane     | 0.0024 U | 0.011 | 0.0024 | mg/kg |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | 0.0031 U | 0.011 | 0.0031 | mg/kg |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | 0.0029 U | 0.011 | 0.0029 | mg/kg |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | 0.0030 U | 0.011 | 0.0030 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-150                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-10                                    | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 40.8     |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8260B

| CAS No.    | Compound                  | Result   | MQL   | SDL    | Units | Q |
|------------|---------------------------|----------|-------|--------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | 0.0031 U | 0.011 | 0.0031 | mg/kg |   |
| 100-41-4   | Ethylbenzene              | 0.0029 U | 0.011 | 0.0029 | mg/kg |   |
| 60-29-7    | Ethyl Ether               | 0.011 U  | 0.011 | 0.011  | mg/kg |   |
| 110-54-3   | Hexane                    | 0.0024 U | 0.011 | 0.0024 | mg/kg |   |
| 591-78-6   | 2-Hexanone                | 0.015 U  | 0.11  | 0.015  | mg/kg |   |
| 87-68-3    | Hexachlorobutadiene       | 0.0027 U | 0.011 | 0.0027 | mg/kg |   |
| 98-82-8    | Isopropylbenzene          | 0.0027 U | 0.011 | 0.0027 | mg/kg |   |
| 99-87-6    | p-Isopropyltoluene        | 0.0027 U | 0.011 | 0.0027 | mg/kg |   |
| 108-10-1   | 4-Methyl-2-pentanone      | 0.016 U  | 0.11  | 0.016  | mg/kg |   |
| 74-83-9    | Methyl bromide            | 0.0034 U | 0.011 | 0.0034 | mg/kg |   |
| 74-87-3    | Methyl chloride           | 0.0033 U | 0.011 | 0.0033 | mg/kg |   |
| 74-95-3    | Methylene bromide         | 0.0045 U | 0.011 | 0.0045 | mg/kg |   |
| 75-09-2    | Methylene chloride        | 0.0055 U | 0.023 | 0.0055 | mg/kg |   |
| 78-93-3    | Methyl ethyl ketone       | 0.015 U  | 0.11  | 0.015  | mg/kg |   |
| 103-65-1   | n-Propylbenzene           | 0.0025 U | 0.011 | 0.0025 | mg/kg |   |
| 100-42-5   | Styrene                   | 0.0029 U | 0.011 | 0.0029 | mg/kg |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | 0.0032 U | 0.011 | 0.0032 | mg/kg |   |
| 71-55-6    | 1,1,1-Trichloroethane     | 0.0027 U | 0.011 | 0.0027 | mg/kg |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | 0.0033 U | 0.011 | 0.0033 | mg/kg |   |
| 79-00-5    | 1,1,2-Trichloroethane     | 0.0031 U | 0.011 | 0.0031 | mg/kg |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | 0.0027 U | 0.011 | 0.0027 | mg/kg |   |
| 96-18-4    | 1,2,3-Trichloropropane    | 0.0032 U | 0.011 | 0.0032 | mg/kg |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | 0.0023 U | 0.011 | 0.0023 | mg/kg |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | 0.0025 U | 0.011 | 0.0025 | mg/kg |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | 0.0025 U | 0.011 | 0.0025 | mg/kg |   |
| 127-18-4   | Tetrachloroethylene       | 0.0030 U | 0.011 | 0.0030 | mg/kg |   |
| 108-88-3   | Toluene                   | 0.0050   | 0.011 | 0.0029 | mg/kg | J |
| 79-01-6    | Trichloroethylene         | 0.0029 U | 0.011 | 0.0029 | mg/kg |   |
| 75-69-4    | Trichlorofluoromethane    | 0.0023 U | 0.011 | 0.0023 | mg/kg |   |
| 75-01-4    | Vinyl chloride            | 0.0031 U | 0.011 | 0.0031 | mg/kg |   |
| 108-05-4   | Vinyl Acetate             | 0.017 U  | 0.057 | 0.017  | mg/kg |   |
| 1330-20-7  | Xylene (total)            | 0.0086 U | 0.034 | 0.0086 | mg/kg |   |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7  | Dibromofluoromethane  | 106%   |        | 68-127% |
| 2037-26-5  | Toluene-D8            | 121%   |        | 76-139% |
| 460-00-4   | 4-Bromofluorobenzene  | 135%   |        | 68-167% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 91%    |        | 56-121% |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-150                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-10                                    | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 40.8     |
| Method:           | SW846 8270C SW846 3550B                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | H24903.D | 1  | 12/19/07 | SC | 12/18/07  | OP8734     | EH1396           |
| Run #2 |          |    |          |    |           |            |                  |

| Run #  | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 30.3 g         | 1.0 ml       |
| Run #2 |                |              |

## SW-846 8270C

| CAS No.  | Compound                   | Result  | MQL  | SDL   | Units | Q |
|----------|----------------------------|---------|------|-------|-------|---|
| 108-98-5 | Benzenethiol               | 0.41 U  | 0.41 | 0.41  | mg/kg |   |
| 65-85-0  | Benzoic acid               | 0.10 U  | 2.0  | 0.10  | mg/kg |   |
| 95-57-8  | 2-Chlorophenol             | 0.12 U  | 0.41 | 0.12  | mg/kg |   |
| 59-50-7  | 4-Chloro-3-methyl phenol   | 0.092 U | 0.41 | 0.092 | mg/kg |   |
| 120-83-2 | 2,4-Dichlorophenol         | 0.14 U  | 0.41 | 0.14  | mg/kg |   |
| 105-67-9 | 2,4-Dimethylphenol         | 0.13 U  | 0.41 | 0.13  | mg/kg |   |
| 51-28-5  | 2,4-Dinitrophenol          | 0.14 U  | 2.0  | 0.14  | mg/kg |   |
| 534-52-1 | 4,6-Dinitro-o-cresol       | 0.26 U  | 0.81 | 0.26  | mg/kg |   |
| 95-48-7  | 2-Methylphenol             | 0.088 U | 0.41 | 0.088 | mg/kg |   |
|          | 3&4-Methylphenol           | 0.13 U  | 0.41 | 0.13  | mg/kg |   |
| 100-02-7 | 4-Nitrophenol              | 0.16 U  | 0.41 | 0.16  | mg/kg |   |
| 87-86-5  | Pentachlorophenol          | 0.11 U  | 2.0  | 0.11  | mg/kg |   |
| 108-95-2 | Phenol                     | 0.16 U  | 0.41 | 0.16  | mg/kg |   |
| 95-95-4  | 2,4,5-Trichlorophenol      | 0.11 U  | 0.41 | 0.11  | mg/kg |   |
| 88-06-2  | 2,4,6-Trichlorophenol      | 0.11 U  | 0.41 | 0.11  | mg/kg |   |
| 83-32-9  | Acenaphthene               | 0.098 U | 0.41 | 0.098 | mg/kg |   |
| 208-96-8 | Acenaphthylene             | 0.11 U  | 0.41 | 0.11  | mg/kg |   |
| 120-12-7 | Anthracene                 | 0.13 U  | 0.41 | 0.13  | mg/kg |   |
| 56-55-3  | Benzo(a)anthracene         | 0.15 U  | 0.41 | 0.15  | mg/kg |   |
| 50-32-8  | Benzo(a)pyrene             | 0.13 U  | 0.41 | 0.13  | mg/kg |   |
| 205-99-2 | Benzo(b)fluoranthene       | 0.17 U  | 0.41 | 0.17  | mg/kg |   |
| 191-24-2 | Benzo(g,h,i)perylene       | 0.22 U  | 0.41 | 0.22  | mg/kg |   |
| 207-08-9 | Benzo(k)fluoranthene       | 0.19 U  | 0.41 | 0.19  | mg/kg |   |
| 101-55-3 | 4-Bromophenyl phenyl ether | 0.15 U  | 0.41 | 0.15  | mg/kg |   |
| 85-68-7  | Butyl benzyl phthalate     | 0.19 U  | 0.41 | 0.19  | mg/kg |   |
| 100-51-6 | Benzyl Alcohol             | 0.14 U  | 0.41 | 0.14  | mg/kg |   |
| 91-58-7  | 2-Chloronaphthalene        | 0.11 U  | 0.41 | 0.11  | mg/kg |   |
| 106-47-8 | 4-Chloroaniline            | 0.11 U  | 0.41 | 0.11  | mg/kg |   |
| 86-74-8  | Carbazole                  | 0.17 U  | 0.41 | 0.17  | mg/kg |   |
| 218-01-9 | Chrysene                   | 0.13 U  | 0.41 | 0.13  | mg/kg |   |
| 111-91-1 | bis(2-Chloroethoxy)methane | 0.15 U  | 0.41 | 0.15  | mg/kg |   |
| 111-44-4 | bis(2-Chloroethyl)ether    | 0.087 U | 0.41 | 0.087 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-150                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-10                                    | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 40.8     |
| Method:           | SW846 8270C SW846 3550B                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8270C

| CAS No.   | Compound                       | Result  | MQL  | SDL   | Units | Q |
|-----------|--------------------------------|---------|------|-------|-------|---|
| 7005-72-3 | 4-Chlorophenyl phenyl ether    | 0.12 U  | 0.41 | 0.12  | mg/kg |   |
| 95-50-1   | 1,2-Dichlorobenzene            | 0.14 U  | 0.41 | 0.14  | mg/kg |   |
| 541-73-1  | 1,3-Dichlorobenzene            | 0.13 U  | 0.41 | 0.13  | mg/kg |   |
| 106-46-7  | 1,4-Dichlorobenzene            | 0.11 U  | 0.41 | 0.11  | mg/kg |   |
| 121-14-2  | 2,4-Dinitrotoluene             | 0.18 U  | 0.41 | 0.18  | mg/kg |   |
| 606-20-2  | 2,6-Dinitrotoluene             | 0.10 U  | 0.41 | 0.10  | mg/kg |   |
| 91-94-1   | 3,3'-Dichlorobenzidine         | 0.16 U  | 0.81 | 0.16  | mg/kg |   |
| 57-97-6   | 7,12-Dimethylbenz(a)anthracene | 0.41 U  | 0.41 | 0.41  | mg/kg |   |
| 226-36-8  | Dibenz(a,h)acridine            | 0.41 U  | 0.41 | 0.41  | mg/kg |   |
| 53-70-3   | Dibenzo(a,h)anthracene         | 0.14 U  | 0.41 | 0.14  | mg/kg |   |
| 132-64-9  | Dibenzofuran                   | 0.11 U  | 0.41 | 0.11  | mg/kg |   |
| 122-39-4  | Diphenylamine                  | 0.18 U  | 0.41 | 0.18  | mg/kg |   |
| 84-74-2   | Di-n-butyl phthalate           | 0.20 U  | 0.41 | 0.20  | mg/kg |   |
| 117-84-0  | Di-n-octyl phthalate           | 0.37 U  | 0.41 | 0.37  | mg/kg |   |
| 84-66-2   | Diethyl phthalate              | 0.11 U  | 0.41 | 0.11  | mg/kg |   |
| 131-11-3  | Dimethyl phthalate             | 0.10 U  | 0.41 | 0.10  | mg/kg |   |
| 117-81-7  | bis(2-Ethylhexyl)phthalate     | 0.20 U  | 0.41 | 0.20  | mg/kg |   |
| 206-44-0  | Fluoranthene                   | 0.18 U  | 0.41 | 0.18  | mg/kg |   |
| 86-73-7   | Fluorene                       | 0.12 U  | 0.41 | 0.12  | mg/kg |   |
| 118-74-1  | Hexachlorobenzene              | 0.13 U  | 0.41 | 0.13  | mg/kg |   |
| 87-68-3   | Hexachlorobutadiene            | 0.12 U  | 0.41 | 0.12  | mg/kg |   |
| 77-47-4   | Hexachlorocyclopentadiene      | 0.15 U  | 0.41 | 0.15  | mg/kg |   |
| 67-72-1   | Hexachloroethane               | 0.12 U  | 0.41 | 0.12  | mg/kg |   |
| 95-13-6   | Indene                         | 2.0 U   | 2.0  | 2.0   | mg/kg |   |
| 193-39-5  | Indeno(1,2,3-cd)pyrene         | 0.16 U  | 0.41 | 0.16  | mg/kg |   |
| 78-59-1   | Isophorone                     | 0.11 U  | 0.41 | 0.11  | mg/kg |   |
| 90-12-0   | 1-Methylnaphthalene            | 0.096 U | 0.41 | 0.096 | mg/kg |   |
| 91-57-6   | 2-Methylnaphthalene            | 0.11 U  | 0.41 | 0.11  | mg/kg |   |
|           | 6-Methyl Chrysene              | 0.41 U  | 0.41 | 0.41  | mg/kg |   |
| 88-74-4   | 2-Nitroaniline                 | 0.11 U  | 0.41 | 0.11  | mg/kg |   |
| 99-09-2   | 3-Nitroaniline                 | 0.15 U  | 0.41 | 0.15  | mg/kg |   |
| 100-01-6  | 4-Nitroaniline                 | 0.22 U  | 0.41 | 0.22  | mg/kg |   |
| 91-20-3   | Naphthalene                    | 0.098 U | 0.41 | 0.098 | mg/kg |   |
| 98-95-3   | Nitrobenzene                   | 0.11 U  | 0.41 | 0.11  | mg/kg |   |
| 621-64-7  | N-Nitroso-di-n-propylamine     | 0.16 U  | 0.41 | 0.16  | mg/kg |   |
| 86-30-6   | N-Nitrosodiphenylamine         | 0.18 U  | 0.41 | 0.18  | mg/kg |   |
| 85-01-8   | Phenanthrene                   | 0.15 U  | 0.41 | 0.15  | mg/kg |   |
| 129-00-0  | Pyrene                         | 0.20 U  | 0.41 | 0.20  | mg/kg |   |
| 91-22-5   | Quinoline                      | 0.41 U  | 0.41 | 0.41  | mg/kg |   |
| 120-82-1  | 1,2,4-Trichlorobenzene         | 0.11 U  | 0.41 | 0.11  | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

3.10  
3

|   |  |                         |  |
|---|--|-------------------------|--|
| Client Sample ID: FR-150                              |  |                         |  |
| Lab Sample ID: T20073-10                              |  | Date Sampled: 12/11/07  |  |
| Matrix: SO - Soil                                     |  | Date Received: 12/12/07 |  |
| Method: SW846 8270C SW846 3550B                       |  | Percent Solids: 40.8    |  |
| Project: Falcon Refinery Superfund Site/Ingleside, TX |  |                         |  |

**SW-846 8270C**

| CAS No.  | Compound                | Result | MQL  | SDL  | Units | Q |
|----------|-------------------------|--------|------|------|-------|---|
|          | 1,3&1,4-Cyclohexanediol | 0.41 U | 0.41 | 0.41 | mg/kg |   |
| 931-17-9 | 1,2-Cyclohexanediol     | 0.41 U | 0.41 | 0.41 | mg/kg |   |
| 98-85-1  | 1-Phenylethanol         | 0.41 U | 0.41 | 0.41 | mg/kg |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 367-12-4  | 2-Fluorophenol       | 67%    |        | 26-124% |
| 4165-62-2 | Phenol-d5            | 72%    |        | 19-106% |
| 118-79-6  | 2,4,6-Tribromophenol | 83%    |        | 18-129% |
| 4165-60-0 | Nitrobenzene-d5      | 72%    |        | 18-104% |
| 321-60-8  | 2-Fluorobiphenyl     | 69%    |        | 21-114% |
| 1718-51-0 | Terphenyl-d14        | 76%    |        | 24-149% |

U = Not detected      SDL - Sample Detection Limit  
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 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-150                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-10                                    | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 40.8     |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## Metals Analysis

| Analyte   | Result  | MQL   | SDL    | Units | DF | Prep     | Analyzed By | Method | Prep Method                                       |
|-----------|---------|-------|--------|-------|----|----------|-------------|--------|---|
| Aluminum  | 18900   | 47    | 10     | mg/kg | 1  | 12/20/07 | 12/22/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Antimony  | 0.63 U  | 2.3   | 0.63   | mg/kg | 1  | 12/20/07 | 12/22/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Arsenic   | 5.0     | 2.3   | 0.47   | mg/kg | 1  | 12/20/07 | 12/22/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Barium    | 332     | 47    | 0.14   | mg/kg | 1  | 12/20/07 | 12/22/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Beryllium | 0.68 B  | 1.2   | 0.047  | mg/kg | 1  | 12/20/07 | 12/22/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Cadmium   | 0.23 U  | 1.2   | 0.23   | mg/kg | 1  | 12/20/07 | 12/22/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Calcium   | 45500   | 1200  | 4.0    | mg/kg | 1  | 12/20/07 | 12/22/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Chromium  | 14.6    | 2.3   | 0.16   | mg/kg | 1  | 12/20/07 | 12/22/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Cobalt    | 4.3 B   | 12    | 0.42   | mg/kg | 1  | 12/20/07 | 12/22/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Copper    | 12.1    | 5.8   | 0.30   | mg/kg | 1  | 12/20/07 | 12/22/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Iron      | 12000   | 23    | 5.2    | mg/kg | 1  | 12/20/07 | 12/22/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Lead      | 17.9    | 2.3   | 0.93   | mg/kg | 1  | 12/20/07 | 12/22/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Magnesium | 15500   | 1200  | 2.7    | mg/kg | 1  | 12/20/07 | 12/22/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Manganese | 427     | 3.5   | 0.16   | mg/kg | 1  | 12/20/07 | 12/22/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Mercury   | 0.034 B | 0.041 | 0.0016 | mg/kg | 1  | 12/24/07 | 12/24/07    | NS     | SW846 7471A <sup>2</sup> SW846 7471A <sup>4</sup> |
| Nickel    | 8.0 B   | 9.3   | 0.30   | mg/kg | 1  | 12/20/07 | 12/22/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Potassium | 5060    | 1200  | 73     | mg/kg | 1  | 12/20/07 | 12/22/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Selenium  | 0.56 U  | 2.3   | 0.56   | mg/kg | 1  | 12/20/07 | 12/22/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Silver    | 0.19 U  | 2.3   | 0.19   | mg/kg | 1  | 12/20/07 | 12/22/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Sodium    | 5820    | 1200  | 63     | mg/kg | 1  | 12/20/07 | 12/22/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Thallium  | 1.2 U   | 4.7   | 1.2    | mg/kg | 1  | 12/20/07 | 12/22/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Vanadium  | 25.1    | 12    | 0.28   | mg/kg | 1  | 12/20/07 | 12/22/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Zinc      | 208     | 4.7   | 0.93   | mg/kg | 1  | 12/20/07 | 12/22/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |

(1) Instrument QC Batch: MA3294

(2) Instrument QC Batch: MA3295

(3) Prep QC Batch: MP7074

(4) Prep QC Batch: MP7083

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-150                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-10                                    | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 40.8     |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

**General Chemistry**

| Analyte                           | Result | MQL | SDL | Units | DF | Analyzed | By  | Method            |
|-----------------------------------|--------|-----|-----|-------|----|----------|-----|-------------------|
| Chromium, Hexavalent <sup>a</sup> | 2.5 U  | 4.9 | 2.5 | mg/kg | 1  | 12/28/07 | AFL | SW846 3060A/7196A |
| Solids, Percent                   | 40.8   |     |     | %     | 1  | 12/14/07 | SS  | EPA 160.3 M       |

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-151                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-11                                    | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|------------|----|----------|----|-----------|------------|------------------|
| Run #1 | Y0018620.D | 1  | 12/13/07 | LJ | n/a       | n/a        | VY1521           |
| Run #2 |            |    |          |    |           |            |                  |

| Run #  | Purge Volume |
|--------|--------------|
| Run #1 | 5.0 ml       |
| Run #2 |              |

## SW-846 8260B

| CAS No.    | Compound                    | Result    | MLQ    | SDL     | Units | Q |
|------------|-----------------------------|-----------|--------|---------|-------|---|
| 67-64-1    | Acetone                     | 0.0035    | 0.050  | 0.0026  | mg/l  | J |
| 71-43-2    | Benzene                     | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |
| 108-86-1   | Bromobenzene                | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 74-97-5    | Bromochloromethane          | 0.00049 U | 0.0020 | 0.00049 | mg/l  |   |
| 75-27-4    | Bromodichloromethane        | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 75-25-2    | Bromoform                   | 0.0014 U  | 0.0020 | 0.0014  | mg/l  |   |
| 71-36-3    | n-Butyl Alcohol             | 0.020 U   | 0.020  | 0.020   | mg/l  |   |
| 104-51-8   | n-Butylbenzene              | 0.00055 U | 0.0020 | 0.00055 | mg/l  |   |
| 98-06-6    | tert-Butylbenzene           | 0.00083 U | 0.0020 | 0.00083 | mg/l  |   |
| 108-90-7   | Chlorobenzene               | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 75-00-3    | Chloroethane                | 0.00039 U | 0.0020 | 0.00039 | mg/l  |   |
| 67-66-3    | Chloroform                  | 0.00054 U | 0.0020 | 0.00054 | mg/l  |   |
| 95-49-8    | o-Chlorotoluene             | 0.00038 U | 0.0020 | 0.00038 | mg/l  |   |
| 106-43-4   | p-Chlorotoluene             | 0.00050 U | 0.0020 | 0.00050 | mg/l  |   |
| 75-15-0    | Carbon disulfide            | 0.00051 U | 0.0020 | 0.00051 | mg/l  |   |
| 56-23-5    | Carbon tetrachloride        | 0.00045 U | 0.0020 | 0.00045 | mg/l  |   |
| 110-82-7   | Cyclohexane                 | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 75-34-3    | 1,1-Dichloroethane          | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 75-35-4    | 1,1-Dichloroethylene        | 0.00048 U | 0.0020 | 0.00048 | mg/l  |   |
| 563-58-6   | 1,1-Dichloropropene         | 0.00035 U | 0.0020 | 0.00035 | mg/l  |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 0.0011 U  | 0.0020 | 0.0011  | mg/l  |   |
| 106-93-4   | 1,2-Dibromoethane           | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 107-06-2   | 1,2-Dichloroethane          | 0.00050 U | 0.0020 | 0.00050 | mg/l  |   |
| 78-87-5    | 1,2-Dichloropropane         | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 142-28-9   | 1,3-Dichloropropane         | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 123-91-1   | 1,4-Dioxane                 | 0.13 U    | 0.25   | 0.13    | mg/l  |   |
| 594-20-7   | 2,2-Dichloropropane         | 0.00058 U | 0.0020 | 0.00058 | mg/l  |   |
| 124-48-1   | Dibromochloromethane        | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |
| 75-71-8    | Dichlorodifluoromethane     | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | 0.00043 U | 0.0020 | 0.00043 | mg/l  |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-151                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-11                                    | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8260B

| CAS No.    | Compound                  | Result    | MQL    | SDL     | Units | Q |
|------------|---------------------------|-----------|--------|---------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | 0.00036 U | 0.0020 | 0.00036 | mg/l  |   |
| 100-41-4   | Ethylbenzene              | 0.00045 U | 0.0020 | 0.00045 | mg/l  |   |
| 60-29-7    | Ethyl Ether               | 0.0020 U  | 0.0020 | 0.0020  | mg/l  |   |
| 110-54-3   | hexane                    | 0.00061 U | 0.0020 | 0.00061 | mg/l  |   |
| 591-78-6   | 2-Hexanone                | 0.0024 U  | 0.010  | 0.0024  | mg/l  |   |
| 87-68-3    | Hexachlorobutadiene       | 0.0012 U  | 0.0020 | 0.0012  | mg/l  |   |
| 98-82-8    | Isopropylbenzene          | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 99-87-6    | p-Isopropyltoluene        | 0.00040 U | 0.0020 | 0.00040 | mg/l  |   |
| 108-10-1   | 4-Methyl-2-pentanone      | 0.0025 U  | 0.010  | 0.0025  | mg/l  |   |
| 74-83-9    | Methyl bromide            | 0.00054 U | 0.0020 | 0.00054 | mg/l  |   |
| 74-87-3    | Methyl chloride           | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 74-95-3    | Methylene bromide         | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 75-09-2    | Methylene chloride        | 0.00041 U | 0.0050 | 0.00041 | mg/l  |   |
| 78-93-3    | Methyl ethyl ketone       | 0.0025 U  | 0.010  | 0.0025  | mg/l  |   |
| 103-65-1   | n-Propylbenzene           | 0.00051 U | 0.0020 | 0.00051 | mg/l  |   |
| 100-42-5   | Styrene                   | 0.00035 U | 0.0020 | 0.00035 | mg/l  |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | 0.00037 U | 0.0020 | 0.00037 | mg/l  |   |
| 71-55-6    | 1,1,1-Trichloroethane     | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 79-00-5    | 1,1,2-Trichloroethane     | 0.00044 U | 0.0020 | 0.00044 | mg/l  |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | 0.00043 U | 0.0020 | 0.00043 | mg/l  |   |
| 96-18-4    | 1,2,3-Trichloropropane    | 0.00069 U | 0.0020 | 0.00069 | mg/l  |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | 0.00044 U | 0.0020 | 0.00044 | mg/l  |   |
| 127-18-4   | Tetrachloroethylene       | 0.00050 U | 0.0020 | 0.00050 | mg/l  |   |
| 108-88-3   | Toluene                   | 0.00048 U | 0.0020 | 0.00048 | mg/l  |   |
| 79-01-6    | Trichloroethylene         | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 75-69-4    | Trichlorofluoromethane    | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 75-01-4    | Vinyl chloride            | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 108-05-4   | Vinyl Acetate             | 0.0023 U  | 0.010  | 0.0023  | mg/l  |   |
| 1330-20-7  | Xylene (total)            | 0.0014 U  | 0.0060 | 0.0014  | mg/l  |   |

| CAS No.    | Surrogate Recoveries  | Run# 1            | Run# 2 | Limits  |
|------------|-----------------------|-------------------|--------|---------|
| 1868-53-7  | Dibromofluoromethane  | 109%              |        | 76-125% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 110%              |        | 69-128% |
| 2037-26-5  | Toluene-D8            | 122% <sup>a</sup> |        | 80-121% |
| 460-00-4   | 4-Bromofluorobenzene  | 127%              |        | 69-142% |

U = Not detected      SDL - Sample Detection Limit  
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J = Indicates an estimated value  
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N = Indicates presumptive evidence of a compound

## Report of Analysis

|  |  |                                |
|--|--|--------------------------------|
| <b>Client Sample ID:</b> FR-151                              |  | <b>Date Sampled:</b> 12/11/07  |
| <b>Lab Sample ID:</b> T20073-11                              |  | <b>Date Received:</b> 12/12/07 |
| <b>Matrix:</b> AQ - Water                                    |  | <b>Percent Solids:</b> n/a     |
| <b>Method:</b> SW846 8260B                                   |  |                                |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |  |                                |

SW-846 8260B

| CAS No. | Compound | Result | MQL | SDL | Units | Q |
|---------|----------|--------|-----|-----|-------|---|
|---------|----------|--------|-----|-----|-------|---|

(a) Outside of control limits biased high. Data is acceptable for all ND results.

---

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-151                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-11                                    | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Method:           | SW846 8270C SW846 3510C                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | H24814.D | 1  | 12/14/07 | SC | 12/14/07  | OP8713     | EH1393           |
| Run #2 |          |    |          |    |           |            |                  |

| Run #  | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1000 ml        | 1.0 ml       |
| Run #2 |                |              |

## SW-846 8270C

| CAS No.  | Compound                   | Result    | MLQ    | SDL     | Units | Q |
|----------|----------------------------|-----------|--------|---------|-------|---|
| 108-98-5 | Benzenethiol               | 0.010 U   | 0.010  | 0.010   | mg/l  |   |
| 65-85-0  | Benzoic Acid               | 0.00058 U | 0.010  | 0.00058 | mg/l  |   |
| 95-57-8  | 2-Chlorophenol             | 0.0014 U  | 0.0050 | 0.0014  | mg/l  |   |
| 59-50-7  | 4-Chloro-3-methyl phenol   | 0.0012 U  | 0.0050 | 0.0012  | mg/l  |   |
| 120-83-2 | 2,4-Dichlorophenol         | 0.0018 U  | 0.0050 | 0.0018  | mg/l  |   |
| 105-67-9 | 2,4-Dimethylphenol         | 0.0026 U  | 0.0050 | 0.0026  | mg/l  |   |
| 51-28-5  | 2,4-Dinitrophenol          | 0.0024 U  | 0.025  | 0.0024  | mg/l  |   |
| 534-52-1 | 4,6-Dinitro-o-cresol       | 0.0039 U  | 0.010  | 0.0039  | mg/l  |   |
| 95-48-7  | 2-Methylphenol             | 0.0012 U  | 0.0050 | 0.0012  | mg/l  |   |
|          | 3&4-Methylphenol           | 0.0011 U  | 0.0050 | 0.0011  | mg/l  |   |
| 100-02-7 | 4-Nitrophenol              | 0.0017 U  | 0.025  | 0.0017  | mg/l  |   |
| 87-86-5  | Pentachlorophenol          | 0.0040 U  | 0.025  | 0.0040  | mg/l  |   |
| 108-95-2 | Phenol                     | 0.00052 U | 0.0050 | 0.00052 | mg/l  |   |
| 95-95-4  | 2,4,5-Trichlorophenol      | 0.0018 U  | 0.0050 | 0.0018  | mg/l  |   |
| 88-06-2  | 2,4,6-Trichlorophenol      | 0.0015 U  | 0.0050 | 0.0015  | mg/l  |   |
| 83-32-9  | Acenaphthene               | 0.0015 U  | 0.0050 | 0.0015  | mg/l  |   |
| 208-96-8 | Acenaphthylene             | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 120-12-7 | Anthracene                 | 0.0018 U  | 0.0050 | 0.0018  | mg/l  |   |
| 56-55-3  | Benzo(a)anthracene         | 0.0014 U  | 0.0050 | 0.0014  | mg/l  |   |
| 50-32-8  | Benzo(a)pyrene             | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 205-99-2 | Benzo(b)fluoranthene       | 0.0015 U  | 0.0050 | 0.0015  | mg/l  |   |
| 191-24-2 | Benzo(g,h,i)perylene       | 0.0025 U  | 0.0050 | 0.0025  | mg/l  |   |
| 207-08-9 | Benzo(k)fluoranthene       | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 101-55-3 | 4-Bromophenyl phenyl ether | 0.0021 U  | 0.0050 | 0.0021  | mg/l  |   |
| 85-68-7  | Butyl benzyl phthalate     | 0.0017 U  | 0.0050 | 0.0017  | mg/l  |   |
| 100-51-6 | Benzyl Alcohol             | 0.0019 U  | 0.0050 | 0.0019  | mg/l  |   |
| 91-58-7  | 2-Chloronaphthalene        | 0.0012 U  | 0.0050 | 0.0012  | mg/l  |   |
| 106-47-8 | 4-Chloroaniline            | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 86-74-8  | Carbazole                  | 0.0017 U  | 0.0050 | 0.0017  | mg/l  |   |
| 218-01-9 | Chrysene                   | 0.0013 U  | 0.0050 | 0.0013  | mg/l  |   |
| 111-91-1 | bis(2-Chloroethoxy)methane | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 111-44-4 | bis(2-Chloroethyl)ether    | 0.0012 U  | 0.0050 | 0.0012  | mg/l  |   |

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-151                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-11                                    | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Method:           | SW846 8270C SW846 3510C                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8270C

| CAS No.   | Compound                       | Result   | MQL    | SDL    | Units | Q |
|-----------|--------------------------------|----------|--------|--------|-------|---|
| 7005-72-3 | 4-Chlorophenyl phenyl ether    | 0.0015 U | 0.0050 | 0.0015 | mg/l  |   |
| 95-50-1   | 1,2-Dichlorobenzene            | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 541-73-1  | 1,3-Dichlorobenzene            | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 106-46-7  | 1,4-Dichlorobenzene            | 0.0015 U | 0.0050 | 0.0015 | mg/l  |   |
| 121-14-2  | 2,4-Dinitrotoluene             | 0.0024 U | 0.0050 | 0.0024 | mg/l  |   |
| 606-20-2  | 2,6-Dinitrotoluene             | 0.0017 U | 0.0050 | 0.0017 | mg/l  |   |
| 91-94-1   | 3,3'-Dichlorobenzidine         | 0.0037 U | 0.010  | 0.0037 | mg/l  |   |
| 57-97-6   | 7,12-Dimethylbenz(a)anthracene | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
| 226-36-8  | Dibenz(a,h)acridine            | 0.0010 U | 0.0050 | 0.0010 | mg/l  |   |
| 53-70-3   | Dibenzo(a,h)anthracene         | 0.0013 U | 0.0050 | 0.0013 | mg/l  |   |
| 132-64-9  | Dibenzofuran                   | 0.0023 U | 0.0050 | 0.0023 | mg/l  |   |
| 122-39-4  | Diphenylamine                  | 0.0019 U | 0.0050 | 0.0019 | mg/l  |   |
| 84-74-2   | Di-n-butyl phthalate           | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 117-84-0  | Di-n-octyl phthalate           | 0.0013 U | 0.0050 | 0.0013 | mg/l  |   |
| 84-66-2   | Diethyl phthalate              | 0.0011 U | 0.0050 | 0.0011 | mg/l  |   |
| 131-11-3  | Dimethyl phthalate             | 0.0018 U | 0.0050 | 0.0018 | mg/l  |   |
| 117-81-7  | bis(2-Ethylhexyl)phthalate     | 0.0015 U | 0.0050 | 0.0015 | mg/l  |   |
| 206-44-0  | Fluoranthene                   | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 86-73-7   | Fluorene                       | 0.0021 U | 0.0050 | 0.0021 | mg/l  |   |
| 118-74-1  | Hexachlorobenzene              | 0.0019 U | 0.0050 | 0.0019 | mg/l  |   |
| 87-68-3   | Hexachlorobutadiene            | 0.0019 U | 0.0050 | 0.0019 | mg/l  |   |
| 77-47-4   | Hexachlorocyclopentadiene      | 0.0014 U | 0.0050 | 0.0014 | mg/l  |   |
| 67-72-1   | Hexachloroethane               | 0.0017 U | 0.0050 | 0.0017 | mg/l  |   |
| 95-13-6   | Indene                         | 0.014 U  | 0.015  | 0.014  | mg/l  |   |
| 193-39-5  | Indeno(1,2,3-cd)pyrene         | 0.0024 U | 0.0050 | 0.0024 | mg/l  |   |
| 78-59-1   | Isophorone                     | 0.0012 U | 0.0050 | 0.0012 | mg/l  |   |
| 90-12-0   | 1-Methylnaphthalene            | 0.0017 U | 0.0050 | 0.0017 | mg/l  |   |
| 91-57-6   | 2-Methylnaphthalene            | 0.0020 U | 0.0050 | 0.0020 | mg/l  |   |
|           | 6-Methyl Chrysene              | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
| 88-74-4   | 2-Nitroaniline                 | 0.0021 U | 0.0050 | 0.0021 | mg/l  |   |
| 99-09-2   | 3-Nitroaniline                 | 0.0027 U | 0.0050 | 0.0027 | mg/l  |   |
| 100-01-6  | 4-Nitroaniline                 | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
| 91-20-3   | Naphthalene                    | 0.0015 U | 0.0050 | 0.0015 | mg/l  |   |
| 98-95-3   | Nitrobenzene                   | 0.0014 U | 0.0050 | 0.0014 | mg/l  |   |
| 621-64-7  | N-Nitroso-di-n-propylamine     | 0.0017 U | 0.0050 | 0.0017 | mg/l  |   |
| 86-30-6   | N-Nitrosodiphenylamine         | 0.0019 U | 0.0050 | 0.0019 | mg/l  |   |
| 85-01-8   | Phenanthrene                   | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 129-00-0  | Pyrene                         | 0.0011 U | 0.0050 | 0.0011 | mg/l  |   |
| 91-22-5   | Quinoline                      | 0.0010 U | 0.0050 | 0.0010 | mg/l  |   |
| 120-82-1  | 1,2,4-Trichlorobenzene         | 0.0010 U | 0.0050 | 0.0010 | mg/l  |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

3.11  
3

|  |                                |
|--|--------------------------------|
| <b>Client Sample ID:</b> FR-151                              |                                |
| <b>Lab Sample ID:</b> T20073-11                              | <b>Date Sampled:</b> 12/11/07  |
| <b>Matrix:</b> AQ - Water                                    | <b>Date Received:</b> 12/12/07 |
| <b>Method:</b> SW846 8270C SW846 3510C                       | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |                                |

**SW-846 8270C**

| CAS No.  | Compound                | Result   | MQL    | SDL    | Units | Q |
|----------|-------------------------|----------|--------|--------|-------|---|
| 98-85-1  | 1-Phenylethanol         | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
| 931-17-9 | 1,2-Cyclohexanediol     | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
|          | 1,3&1,4-Cyclohexanediol | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 367-12-4  | 2-Fluorophenol       | 37%    |        | 10-66%  |
| 4165-62-2 | Phenol-d5            | 26%    |        | 10-53%  |
| 118-79-6  | 2,4,6-Tribromophenol | 60%    |        | 32-128% |
| 4165-60-0 | Nitrobenzene-d5      | 56%    |        | 29-115% |
| 321-60-8  | 2-Fluorobiphenyl     | 56%    |        | 34-113% |
| 1718-51-0 | Terphenyl-d14        | 62%    |        | 12-145% |

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

3.11  
3

|  |                                |
|--|--------------------------------|
| <b>Client Sample ID:</b> FR-151                              |                                |
| <b>Lab Sample ID:</b> T20073-11                              | <b>Date Sampled:</b> 12/11/07  |
| <b>Matrix:</b> AQ - Water                                    | <b>Date Received:</b> 12/12/07 |
| <b>Method:</b> SW846 8270C BY SIM SW846 3510C                | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |                                |

| Run #  | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | A24899.D | 1  | 12/17/07 | SC | 12/14/07  | OP8714     | EA1544           |
| Run #2 |          |    |          |    |           |            |                  |

| Run #  | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1000 ml        | 1.0 ml       |
| Run #2 |                |              |

**BN PAH List**

| CAS No.  | Compound             | Result     | MQL     | SDL      | Units | Q |
|----------|----------------------|------------|---------|----------|-------|---|
| 56-55-3  | Benzo(a)anthracene   | 0.000055 U | 0.00020 | 0.000055 | mg/l  |   |
| 50-32-8  | Benzo(a)pyrene       | 0.000099 U | 0.00020 | 0.000099 | mg/l  |   |
| 205-99-2 | Benzo(b)fluoranthene | 0.000056 U | 0.00020 | 0.000056 | mg/l  |   |
| 207-08-9 | Benzo(k)fluoranthene | 0.000046 U | 0.00020 | 0.000046 | mg/l  |   |

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U = Not detected      SDL - Sample Detection Limit      J = Indicates an estimated value  
 MQL = Method Quantitation Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

|  |                                |
|--|--------------------------------|
| <b>Client Sample ID:</b> FR-151                              |                                |
| <b>Lab Sample ID:</b> T20073-11                              | <b>Date Sampled:</b> 12/11/07  |
| <b>Matrix:</b> AQ - Water                                    | <b>Date Received:</b> 12/12/07 |
| <b>Method:</b> SW846 8151 SW846 3510C                        | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |                                |

| Run #  | File ID   | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | GG39415.D | 1  | 12/19/07 | FO | 12/17/07  | OP8730     | GGG1217          |
| Run #2 |           |    |          |    |           |            |                  |

| Run #  | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1000 ml        | 10.0 ml      |
| Run #2 |                |              |

**Herbicide List**

| CAS No.   | Compound          | Result     | ML        | SDL      | Units | Q |
|-----------|-------------------|------------|-----------|----------|-------|---|
| 94-75-7   | 2,4-D             | 0.00080 U  | 0.0015    | 0.00080  | mg/l  |   |
| 93-72-1   | 2,4,5-TP (Silvex) | 0.00015 U  | 0.00020   | 0.00015  | mg/l  |   |
| 93-76-5   | 2,4,5-T           | 0.00012 U  | 0.00020   | 0.00012  | mg/l  |   |
| 1918-00-9 | Dicamba           | 0.000080 U | 0.00020   | 0.000080 | mg/l  |   |
| 88-85-7   | Dinoseb           | 0.000090 U | 0.00020   | 0.000090 | mg/l  |   |
| 75-99-0   | Dalapon           | 0.0010 U   | 0.0010    | 0.0010   | mg/l  |   |
| 120-36-5  | Dichloroprop      | 0.00051 U  | 0.0010    | 0.00051  | mg/l  |   |
| 94-82-6   | 2,4-DB            | 0.0019 U   | 0.0020    | 0.0019   | mg/l  |   |
| 93-65-2   | MCPP              | 0.050 U    | 0.050     |          | mg/l  |   |
| 94-74-6   | MCPA              | 0.050 U    | 0.050     |          | mg/l  |   |
| 87-86-5   | Pentachlorophenol | 0.000040 U | 0.0000500 | 0.000040 | mg/l  |   |

| CAS No.    | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|------------|----------------------|--------|--------|---------|
| 19719-28-9 | 2,4-DCAA             | 90%    |        | 34-179% |

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

### Report of Analysis

|  |  |                                |
|--|--|--------------------------------|
| <b>Client Sample ID:</b> FR-151                              |  |                                |
| <b>Lab Sample ID:</b> T20073-11                              |  | <b>Date Sampled:</b> 12/11/07  |
| <b>Matrix:</b> AQ - Water                                    |  | <b>Date Received:</b> 12/12/07 |
| <b>Method:</b> SW846 8081A SW846 3510C                       |  | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |  |                                |

| Run #  | File ID   | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | NN00474.D | 1  | 12/18/07 | FO | 12/17/07  | OP8723     | GNN12            |
| Run #2 |           |    |          |    |           |            |                  |

| Run #  | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1000 ml        | 10.0 ml      |
| Run #2 |                |              |

**Pesticide TCL List**

| CAS No.    | Compound            | Result      | ML        | SDL       | Units | Q |
|------------|---------------------|-------------|-----------|-----------|-------|---|
| 309-00-2   | Aldrin              | 0.000014 U  | 0.0000500 | 0.000014  | mg/l  |   |
| 319-84-6   | alpha-BHC           | 0.000012 U  | 0.0000500 | 0.000012  | mg/l  |   |
| 319-85-7   | beta-BHC            | 0.0000080 U | 0.0000500 | 0.0000080 | mg/l  |   |
| 319-86-8   | delta-BHC           | 0.000015 U  | 0.0000500 | 0.000015  | mg/l  |   |
| 58-89-9    | gamma-BHC (Lindane) | 0.0000070 U | 0.0000500 | 0.0000070 | mg/l  |   |
| 5103-71-9  | alpha-Chlordane     | 0.0000080 U | 0.0000500 | 0.0000080 | mg/l  |   |
| 5103-74-2  | gamma-Chlordane     | 0.0000080 U | 0.0000500 | 0.0000080 | mg/l  |   |
| 60-57-1    | Dieldrin            | 0.000013 U  | 0.00010   | 0.000013  | mg/l  |   |
| 72-54-8    | 4,4'-DDD            | 0.000015 U  | 0.00010   | 0.000015  | mg/l  |   |
| 72-55-9    | 4,4'-DDE            | 0.000017 U  | 0.00010   | 0.000017  | mg/l  |   |
| 50-29-3    | 4,4'-DDT            | 0.000013 U  | 0.00010   | 0.000013  | mg/l  |   |
| 72-20-8    | Endrin              | 0.000019 U  | 0.00010   | 0.000019  | mg/l  |   |
| 1031-07-8  | Endosulfan sulfate  | 0.000014 U  | 0.00010   | 0.000014  | mg/l  |   |
| 7421-93-4  | Endrin aldehyde     | 0.000017 U  | 0.00010   | 0.000017  | mg/l  |   |
| 53494-70-5 | Endrin ketone       | 0.000013 U  | 0.00010   | 0.000013  | mg/l  |   |
| 959-98-8   | Endosulfan-I        | 0.0000080 U | 0.00010   | 0.0000080 | mg/l  |   |
| 33213-65-9 | Endosulfan-II       | 0.000013 U  | 0.00010   | 0.000013  | mg/l  |   |
| 76-44-8    | Heptachlor          | 0.000010 U  | 0.0000500 | 0.000010  | mg/l  |   |
| 1024-57-3  | Heptachlor epoxide  | 0.0000060 U | 0.0000500 | 0.0000060 | mg/l  |   |
| 72-43-5    | Methoxychlor        | 0.000078 U  | 0.00050   | 0.000078  | mg/l  |   |
| 8001-35-2  | Toxaphene           | 0.00020 U   | 0.00050   | 0.00020   | mg/l  |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 877-09-8  | Tetrachloro-m-xylene | 65%    |        | 10-117% |
| 2051-24-3 | Decachlorobiphenyl   | 70%    |        | 10-120% |

U = Not detected      SDL - Sample Detection Limit      J = Indicates an estimated value  
 MQL = Method Quantitation Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

|  |                                |
|--|--------------------------------|
| <b>Client Sample ID:</b> FR-151                              |                                |
| <b>Lab Sample ID:</b> T20073-11                              | <b>Date Sampled:</b> 12/11/07  |
| <b>Matrix:</b> AQ - Water                                    | <b>Date Received:</b> 12/12/07 |
| <b>Method:</b> SW846 8082 SW846 3510C                        | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |                                |

| Run #  | File ID   | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | DD69988.D | 1  | 12/18/07 | FO | 12/17/07  | OP8724     | GDD1361          |
| Run #2 |           |    |          |    |           |            |                  |

| Run #  | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1000 ml        | 10.0 ml      |
| Run #2 |                |              |

**PCB List**

| CAS No.    | Compound     | Result    | MQL     | SDL     | Units | Q |
|------------|--------------|-----------|---------|---------|-------|---|
| 12674-11-2 | Aroclor 1016 | 0.00050 U | 0.00050 | 0.00050 | mg/l  |   |
| 11104-28-2 | Aroclor 1221 | 0.00050 U | 0.00050 | 0.00050 | mg/l  |   |
| 11141-16-5 | Aroclor 1232 | 0.00034 U | 0.00050 | 0.00034 | mg/l  |   |
| 53469-21-9 | Aroclor 1242 | 0.00016 U | 0.00050 | 0.00016 | mg/l  |   |
| 12672-29-6 | Aroclor 1248 | 0.00037 U | 0.00050 | 0.00037 | mg/l  |   |
| 11097-69-1 | Aroclor 1254 | 0.00017 U | 0.00050 | 0.00017 | mg/l  |   |
| 11096-82-5 | Aroclor 1260 | 0.00023 U | 0.00050 | 0.00023 | mg/l  |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 877-09-8  | Tetrachloro-m-xylene | 66%    |        | 16-131% |
| 2051-24-3 | Decachlorobiphenyl   | 80%    |        | 12-140% |

U = Not detected      SDL - Sample Detection Limit      J = Indicates an estimated value  
 MQL = Method Quantitation Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-151                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-11                                    | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## Metals Analysis

| Analyte   | Result  | MQL   | SDL   | Units | DF | Prep     | Analyzed By | Method                      | Prep Method              |
|-----------|---------|-------|-------|-------|----|----------|-------------|-----------------------------|--------------------------|
| Aluminum  | 86 U    | 200   | 86    | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Antimony  | 3.5 B   | 5.0   | 2.7   | ug/l  | 1  | 12/17/07 | 12/23/07    | NS SW846 6010B <sup>3</sup> | SW846 3010A <sup>5</sup> |
| Arsenic   | 2.7 U   | 5.0   | 2.7   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Barium    | 395     | 200   | 2.4   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Beryllium | 0.26 B  | 5.0   | 0.26  | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Cadmium   | 1.8 U   | 4.0   | 1.8   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Calcium   | 51900   | 5000  | 170   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Chromium  | 1.5 U   | 10    | 1.5   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Cobalt    | 9.6 U   | 50    | 9.6   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Copper    | 7.7 B   | 25    | 5.9   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Iron      | 34.8 B  | 100   | 24    | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Lead      | 3.3     | 3.0   | 2.8   | ug/l  | 1  | 12/20/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3010A <sup>6</sup> |
| Magnesium | 248000  | 5000  | 13    | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Manganese | 7.2 B   | 15    | 4.1   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Mercury   | 0.094 U | 0.20  | 0.094 | ug/l  | 1  | 12/24/07 | 12/24/07    | NS SW846 7470A <sup>4</sup> | SW846 7470A <sup>7</sup> |
| Nickel    | 2.6 U   | 40    | 2.6   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Potassium | 89800   | 5000  | 160   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Selenium  | 2.3 U   | 5.0   | 2.3   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Silver    | 1.1 U   | 10    | 1.1   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Sodium    | 2400000 | 50000 | 3300  | ug/l  | 10 | 12/17/07 | 12/23/07    | NS SW846 6010B <sup>3</sup> | SW846 3010A <sup>5</sup> |
| Thallium  | 2.7 U   | 10    | 2.7   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Vanadium  | 0.94 U  | 50    | 0.94  | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Zinc      | 18.6 B  | 20    | 7.5   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |

- (1) Instrument QC Batch: MA3284  
(2) Instrument QC Batch: MA3293  
(3) Instrument QC Batch: MA3294  
(4) Instrument QC Batch: MA3296  
(5) Prep QC Batch: MP7047  
(6) Prep QC Batch: MP7068  
(7) Prep QC Batch: MP7085

MQL = Method Quantitation Limit  
SDL = Sample Detection Limit

U = Indicates a result < SDL  
B = Indicates a result >= SDL but < MQL

## Report of Analysis

|  |  |                                |
|--|--|--------------------------------|
| <b>Client Sample ID:</b> FR-151                              |  | <b>Date Sampled:</b> 12/11/07  |
| <b>Lab Sample ID:</b> T20073-11                              |  | <b>Date Received:</b> 12/12/07 |
| <b>Matrix:</b> AQ - Water                                    |  | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |  |                                |

### General Chemistry

| Analyte              | Result   | MQL   | SDL    | Units | DF | Analyzed       | By | Method      |
|----------------------|----------|-------|--------|-------|----|----------------|----|-------------|
| Chromium, Hexavalent | 0.0040 U | 0.010 | 0.0040 | mg/l  | 1  | 12/12/07 07:15 | SS | SW846 7196A |

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-152                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-12                                    | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 72.9     |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|------------|----|----------|----|-----------|------------|------------------|
| Run #1 | M0001282.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |
| Run #2 |            |    |          |    |           |            |                  |

| Run #  | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 5.01 g         | 5.0 ml       |
| Run #2 |                |              |

## SW-846 8260B

| CAS No.    | Compound                    | Result   | MLQ    | SDL    | Units | Q |
|------------|-----------------------------|----------|--------|--------|-------|---|
| 67-64-1    | Acetone                     | 0.0098 U | 0.068  | 0.0098 | mg/kg |   |
| 71-43-2    | Benzene                     | 0.0019 U | 0.0068 | 0.0019 | mg/kg |   |
| 108-86-1   | Bromobenzene                | 0.0017 U | 0.0068 | 0.0017 | mg/kg |   |
| 74-97-5    | Bromochloromethane          | 0.0020 U | 0.0068 | 0.0020 | mg/kg |   |
| 75-27-4    | Bromodichloromethane        | 0.0019 U | 0.0068 | 0.0019 | mg/kg |   |
| 75-25-2    | Bromoform                   | 0.0017 U | 0.0068 | 0.0017 | mg/kg |   |
| 71-36-3    | n-Butyl Alcohol             | 0.068 U  | 0.068  | 0.068  | mg/kg |   |
| 104-51-8   | n-Butylbenzene              | 0.0013 U | 0.0068 | 0.0013 | mg/kg |   |
| 98-06-6    | tert-Butylbenzene           | 0.0014 U | 0.0068 | 0.0014 | mg/kg |   |
| 108-90-7   | Chlorobenzene               | 0.0019 U | 0.0068 | 0.0019 | mg/kg |   |
| 75-00-3    | Chloroethane                | 0.0019 U | 0.0068 | 0.0019 | mg/kg |   |
| 67-66-3    | Chloroform                  | 0.0017 U | 0.0068 | 0.0017 | mg/kg |   |
| 95-49-8    | o-Chlorotoluene             | 0.0016 U | 0.0068 | 0.0016 | mg/kg |   |
| 106-43-4   | p-Chlorotoluene             | 0.0015 U | 0.0068 | 0.0015 | mg/kg |   |
| 75-15-0    | Carbon disulfide            | 0.0017 U | 0.014  | 0.0017 | mg/kg |   |
| 56-23-5    | Carbon tetrachloride        | 0.0015 U | 0.0068 | 0.0015 | mg/kg |   |
| 110-82-7   | Cyclohexane                 | 0.0016 U | 0.0068 | 0.0016 | mg/kg |   |
| 75-34-3    | 1,1-Dichloroethane          | 0.0018 U | 0.0068 | 0.0018 | mg/kg |   |
| 75-35-4    | 1,1-Dichloroethylene        | 0.0017 U | 0.0068 | 0.0017 | mg/kg |   |
| 563-58-6   | 1,1-Dichloropropene         | 0.0016 U | 0.0068 | 0.0016 | mg/kg |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 0.0019 U | 0.0068 | 0.0019 | mg/kg |   |
| 106-93-4   | 1,2-Dibromoethane           | 0.0019 U | 0.0068 | 0.0019 | mg/kg |   |
| 107-06-2   | 1,2-Dichloroethane          | 0.0019 U | 0.0068 | 0.0019 | mg/kg |   |
| 78-87-5    | 1,2-Dichloropropane         | 0.0020 U | 0.0068 | 0.0020 | mg/kg |   |
| 142-28-9   | 1,3-Dichloropropane         | 0.0020 U | 0.0068 | 0.0020 | mg/kg |   |
| 123-91-1   | 1,4-Dioxane                 | 0.033 U  | 0.34   | 0.033  | mg/kg |   |
| 594-20-7   | 2,2-Dichloropropane         | 0.0015 U | 0.0068 | 0.0015 | mg/kg |   |
| 124-48-1   | Dibromochloromethane        | 0.0019 U | 0.0068 | 0.0019 | mg/kg |   |
| 75-71-8    | Dichlorodifluoromethane     | 0.0015 U | 0.0068 | 0.0015 | mg/kg |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | 0.0019 U | 0.0068 | 0.0019 | mg/kg |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | 0.0017 U | 0.0068 | 0.0017 | mg/kg |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | 0.0018 U | 0.0068 | 0.0018 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-152                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-12                                    | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 72.9     |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8260B

| CAS No.    | Compound                  | Result   | MQL    | SDL    | Units | Q |
|------------|---------------------------|----------|--------|--------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | 0.0018 U | 0.0068 | 0.0018 | mg/kg |   |
| 100-41-4   | Ethylbenzene              | 0.0017 U | 0.0068 | 0.0017 | mg/kg |   |
| 60-29-7    | Ethyl Ether               | 0.0068 U | 0.0068 | 0.0068 | mg/kg |   |
| 110-54-3   | Hexane                    | 0.0015 U | 0.0068 | 0.0015 | mg/kg |   |
| 591-78-6   | 2-Hexanone                | 0.0094 U | 0.068  | 0.0094 | mg/kg |   |
| 87-68-3    | Hexachlorobutadiene       | 0.0016 U | 0.0068 | 0.0016 | mg/kg |   |
| 98-82-8    | Isopropylbenzene          | 0.0016 U | 0.0068 | 0.0016 | mg/kg |   |
| 99-87-6    | p-Isopropyltoluene        | 0.0016 U | 0.0068 | 0.0016 | mg/kg |   |
| 108-10-1   | 4-Methyl-2-pentanone      | 0.0096 U | 0.068  | 0.0096 | mg/kg |   |
| 74-83-9    | Methyl bromide            | 0.0021 U | 0.0068 | 0.0021 | mg/kg |   |
| 74-87-3    | Methyl chloride           | 0.0020 U | 0.0068 | 0.0020 | mg/kg |   |
| 74-95-3    | Methylene bromide         | 0.0027 U | 0.0068 | 0.0027 | mg/kg |   |
| 75-09-2    | Methylene chloride        | 0.0034 U | 0.014  | 0.0034 | mg/kg |   |
| 78-93-3    | Methyl ethyl ketone       | 0.0092 U | 0.068  | 0.0092 | mg/kg |   |
| 103-65-1   | n-Propylbenzene           | 0.0015 U | 0.0068 | 0.0015 | mg/kg |   |
| 100-42-5   | Styrene                   | 0.0017 U | 0.0068 | 0.0017 | mg/kg |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | 0.0019 U | 0.0068 | 0.0019 | mg/kg |   |
| 71-55-6    | 1,1,1-Trichloroethane     | 0.0016 U | 0.0068 | 0.0016 | mg/kg |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | 0.0020 U | 0.0068 | 0.0020 | mg/kg |   |
| 79-00-5    | 1,1,2-Trichloroethane     | 0.0019 U | 0.0068 | 0.0019 | mg/kg |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | 0.0016 U | 0.0068 | 0.0016 | mg/kg |   |
| 96-18-4    | 1,2,3-Trichloropropane    | 0.0019 U | 0.0068 | 0.0019 | mg/kg |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | 0.0014 U | 0.0068 | 0.0014 | mg/kg |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | 0.0015 U | 0.0068 | 0.0015 | mg/kg |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | 0.0015 U | 0.0068 | 0.0015 | mg/kg |   |
| 127-18-4   | Tetrachloroethylene       | 0.0018 U | 0.0068 | 0.0018 | mg/kg |   |
| 108-88-3   | Toluene                   | 0.0017 U | 0.0068 | 0.0017 | mg/kg |   |
| 79-01-6    | Trichloroethylene         | 0.0018 U | 0.0068 | 0.0018 | mg/kg |   |
| 75-69-4    | Trichlorofluoromethane    | 0.0014 U | 0.0068 | 0.0014 | mg/kg |   |
| 75-01-4    | Vinyl chloride            | 0.0019 U | 0.0068 | 0.0019 | mg/kg |   |
| 108-05-4   | Vinyl Acetate             | 0.010 U  | 0.034  | 0.010  | mg/kg |   |
| 1330-20-7  | Xylene (total)            | 0.0052 U | 0.021  | 0.0052 | mg/kg |   |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7  | Dibromofluoromethane  | 108%   |        | 68-127% |
| 2037-26-5  | Toluene-D8            | 120%   |        | 76-139% |
| 460-00-4   | 4-Bromofluorobenzene  | 123%   |        | 68-167% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 93%    |        | 56-121% |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-152                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-12                                    | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 72.9     |
| Method:           | SW846 8270C SW846 3550B                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | A24860.D | 1  | 12/13/07 | SC | 12/12/07  | OP8697     | EA1542           |
| Run #2 |          |    |          |    |           |            |                  |

| Run #  | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 30.5 g         | 1.0 ml       |
| Run #2 |                |              |

## SW-846 8270C

| CAS No.  | Compound                   | Result  | MQL  | SDL   | Units | Q |
|----------|----------------------------|---------|------|-------|-------|---|
| 108-98-5 | Benzenethiol               | 0.22 U  | 0.22 | 0.22  | mg/kg |   |
| 65-85-0  | Benzoic acid               | 0.056 U | 1.1  | 0.056 | mg/kg |   |
| 95-57-8  | 2-Chlorophenol             | 0.069 U | 0.22 | 0.069 | mg/kg |   |
| 59-50-7  | 4-Chloro-3-methyl phenol   | 0.051 U | 0.22 | 0.051 | mg/kg |   |
| 120-83-2 | 2,4-Dichlorophenol         | 0.076 U | 0.22 | 0.076 | mg/kg |   |
| 105-67-9 | 2,4-Dimethylphenol         | 0.071 U | 0.22 | 0.071 | mg/kg |   |
| 51-28-5  | 2,4-Dinitrophenol          | 0.076 U | 1.1  | 0.076 | mg/kg |   |
| 534-52-1 | 4,6-Dinitro-o-cresol       | 0.14 U  | 0.45 | 0.14  | mg/kg |   |
| 95-48-7  | 2-Methylphenol             | 0.049 U | 0.22 | 0.049 | mg/kg |   |
|          | 3&4-Methylphenol           | 0.074 U | 0.22 | 0.074 | mg/kg |   |
| 100-02-7 | 4-Nitrophenol              | 0.088 U | 0.22 | 0.088 | mg/kg |   |
| 87-86-5  | Pentachlorophenol          | 0.059 U | 1.1  | 0.059 | mg/kg |   |
| 108-95-2 | Phenol                     | 0.090 U | 0.22 | 0.090 | mg/kg |   |
| 95-95-4  | 2,4,5-Trichlorophenol      | 0.063 U | 0.22 | 0.063 | mg/kg |   |
| 88-06-2  | 2,4,6-Trichlorophenol      | 0.060 U | 0.22 | 0.060 | mg/kg |   |
| 83-32-9  | Acenaphthene               | 0.054 U | 0.22 | 0.054 | mg/kg |   |
| 208-96-8 | Acenaphthylene             | 0.061 U | 0.22 | 0.061 | mg/kg |   |
| 120-12-7 | Anthracene                 | 0.073 U | 0.22 | 0.073 | mg/kg |   |
| 56-55-3  | Benzo(a)anthracene         | 0.084 U | 0.22 | 0.084 | mg/kg |   |
| 50-32-8  | Benzo(a)pyrene             | 0.073 U | 0.22 | 0.073 | mg/kg |   |
| 205-99-2 | Benzo(b)fluoranthene       | 0.095 U | 0.22 | 0.095 | mg/kg |   |
| 191-24-2 | Benzo(g,h,i)perylene       | 0.12 U  | 0.22 | 0.12  | mg/kg |   |
| 207-08-9 | Benzo(k)fluoranthene       | 0.10 U  | 0.22 | 0.10  | mg/kg |   |
| 101-55-3 | 4-Bromophenyl phenyl ether | 0.086 U | 0.22 | 0.086 | mg/kg |   |
| 85-68-7  | Butyl benzyl phthalate     | 0.11 U  | 0.22 | 0.11  | mg/kg |   |
| 100-51-6 | Benzyl Alcohol             | 0.080 U | 0.22 | 0.080 | mg/kg |   |
| 91-58-7  | 2-Chloronaphthalene        | 0.062 U | 0.22 | 0.062 | mg/kg |   |
| 106-47-8 | 4-Chloroaniline            | 0.063 U | 0.22 | 0.063 | mg/kg |   |
| 86-74-8  | Carbazole                  | 0.097 U | 0.22 | 0.097 | mg/kg |   |
| 218-01-9 | Chrysene                   | 0.074 U | 0.22 | 0.074 | mg/kg |   |
| 111-91-1 | bis(2-Chloroethoxy)methane | 0.084 U | 0.22 | 0.084 | mg/kg |   |
| 111-44-4 | bis(2-Chloroethyl)ether    | 0.048 U | 0.22 | 0.048 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-152                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-12                                    | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 72.9     |
| Method:           | SW846 8270C SW846 3550B                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8270C

| CAS No.   | Compound                       | Result  | MQL  | SDL   | Units | Q |
|-----------|--------------------------------|---------|------|-------|-------|---|
| 7005-72-3 | 4-Chlorophenyl phenyl ether    | 0.069 U | 0.22 | 0.069 | mg/kg |   |
| 95-50-1   | 1,2-Dichlorobenzene            | 0.076 U | 0.22 | 0.076 | mg/kg |   |
| 541-73-1  | 1,3-Dichlorobenzene            | 0.070 U | 0.22 | 0.070 | mg/kg |   |
| 106-46-7  | 1,4-Dichlorobenzene            | 0.062 U | 0.22 | 0.062 | mg/kg |   |
| 121-14-2  | 2,4-Dinitrotoluene             | 0.098 U | 0.22 | 0.098 | mg/kg |   |
| 606-20-2  | 2,6-Dinitrotoluene             | 0.058 U | 0.22 | 0.058 | mg/kg |   |
| 91-94-1   | 3,3'-Dichlorobenzidine         | 0.091 U | 0.45 | 0.091 | mg/kg |   |
| 57-97-6   | 7,12-Dimethylbenz(a)anthracene | 0.22 U  | 0.22 | 0.22  | mg/kg |   |
| 226-36-8  | Dibenz(a,h)acridine            | 0.22 U  | 0.22 | 0.22  | mg/kg |   |
| 53-70-3   | Dibenzo(a,h)anthracene         | 0.23 U  | 0.22 | 0.23  | mg/kg |   |
| 132-64-9  | Dibenzofuran                   | 0.062 U | 0.22 | 0.062 | mg/kg |   |
| 122-39-4  | Diphenylamine                  | 0.098 U | 0.22 | 0.098 | mg/kg |   |
| 84-74-2   | Di-n-butyl phthalate           | 0.11 U  | 0.22 | 0.11  | mg/kg |   |
| 117-84-0  | Di-n-octyl phthalate           | 0.21 U  | 0.22 | 0.21  | mg/kg |   |
| 84-66-2   | Diethyl phthalate              | 0.062 U | 0.22 | 0.062 | mg/kg |   |
| 131-11-3  | Dimethyl phthalate             | 0.056 U | 0.22 | 0.056 | mg/kg |   |
| 117-81-7  | bis(2-Ethylhexyl)phthalate     | 0.11 U  | 0.22 | 0.11  | mg/kg |   |
| 206-44-0  | Fluoranthene                   | 0.10 U  | 0.22 | 0.10  | mg/kg |   |
| 86-73-7   | Fluorene                       | 0.068 U | 0.22 | 0.068 | mg/kg |   |
| 118-74-1  | Hexachlorobenzene              | 0.074 U | 0.22 | 0.074 | mg/kg |   |
| 87-68-3   | Hexachlorobutadiene            | 0.068 U | 0.22 | 0.068 | mg/kg |   |
| 77-47-4   | Hexachlorocyclopentadiene      | 0.081 U | 0.22 | 0.081 | mg/kg |   |
| 67-72-1   | Hexachloroethane               | 0.066 U | 0.22 | 0.066 | mg/kg |   |
| 95-13-6   | Indene                         | 1.1 U   | 1.1  | 1.1   | mg/kg |   |
| 193-39-5  | Indeno(1,2,3-cd)pyrene         | 0.087 U | 0.22 | 0.087 | mg/kg |   |
| 78-59-1   | Isophorone                     | 0.059 U | 0.22 | 0.059 | mg/kg |   |
| 90-12-0   | 1-Methylnaphthalene            | 0.053 U | 0.22 | 0.053 | mg/kg |   |
| 91-57-6   | 2-Methylnaphthalene            | 0.060 U | 0.22 | 0.060 | mg/kg |   |
|           | 6-Methyl Chrysene              | 0.22 U  | 0.22 | 0.22  | mg/kg |   |
| 88-74-4   | 2-Nitroaniline                 | 0.058 U | 0.22 | 0.058 | mg/kg |   |
| 99-09-2   | 3-Nitroaniline                 | 0.084 U | 0.22 | 0.084 | mg/kg |   |
| 100-01-6  | 4-Nitroaniline                 | 0.12 U  | 0.22 | 0.12  | mg/kg |   |
| 91-20-3   | Naphthalene                    | 0.054 U | 0.22 | 0.054 | mg/kg |   |
| 98-95-3   | Nitrobenzene                   | 0.063 U | 0.22 | 0.063 | mg/kg |   |
| 621-64-7  | N-Nitroso-di-n-propylamine     | 0.090 U | 0.22 | 0.090 | mg/kg |   |
| 86-30-6   | N-Nitrosodiphenylamine         | 0.098 U | 0.22 | 0.098 | mg/kg |   |
| 85-01-8   | Phenanthrene                   | 0.084 U | 0.22 | 0.084 | mg/kg |   |
| 129-00-0  | Pyrene                         | 0.11 U  | 0.22 | 0.11  | mg/kg |   |
| 91-22-5   | Quinoline                      | 1.1 U   | 0.22 | 1.1   | mg/kg |   |
| 120-82-1  | 1,2,4-Trichlorobenzene         | 0.059 U | 0.22 | 0.059 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|  |                                |
|--|--------------------------------|
| <b>Client Sample ID:</b> FR-152                              |                                |
| <b>Lab Sample ID:</b> T20073-12                              | <b>Date Sampled:</b> 12/11/07  |
| <b>Matrix:</b> SO - Soil                                     | <b>Date Received:</b> 12/12/07 |
| <b>Method:</b> SW846 8270C SW846 3550B                       | <b>Percent Solids:</b> 72.9    |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |                                |

**SW-846 8270C**

| CAS No.  | Compound                | Result | MQL  | SDL  | Units | Q |
|----------|-------------------------|--------|------|------|-------|---|
|          | 1,3&1,4-Cyclohexanediol | 0.22 U | 0.22 | 0.22 | mg/kg |   |
| 931-17-9 | 1,2-Cyclohexanediol     | 0.22 U | 0.22 | 0.22 | mg/kg |   |
| 98-85-1  | 1-Phenylethanol         | 0.22 U | 0.22 | 0.22 | mg/kg |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 367-12-4  | 2-Fluorophenol       | 48%    |        | 26-124% |
| 4165-62-2 | Phenol-d5            | 55%    |        | 19-106% |
| 118-79-6  | 2,4,6-Tribromophenol | 68%    |        | 18-129% |
| 4165-60-0 | Nitrobenzene-d5      | 58%    |        | 18-104% |
| 321-60-8  | 2-Fluorobiphenyl     | 59%    |        | 21-114% |
| 1718-51-0 | Terphenyl-d14        | 101%   |        | 24-149% |

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-152                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-12                                    | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 72.9     |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## Metals Analysis

| Analyte   | Result  | MQL   | SDL     | Units | DF | Prep     | Analyzed By | Method | Prep Method                                       |
|-----------|---------|-------|---------|-------|----|----------|-------------|--------|---|
| Aluminum  | 4210    | 20    | 4.5     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Antimony  | 0.28 U  | 1.0   | 0.28    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Arsenic   | 1.4     | 1.0   | 0.20    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Barium    | 99.0    | 20    | 0.061   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Beryllium | 0.18 B  | 0.51  | 0.020   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Cadmium   | 0.10 U  | 0.51  | 0.10    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Calcium   | 3480    | 510   | 1.8     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Chromium  | 3.7     | 1.0   | 0.071   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Cobalt    | 1.3 B   | 5.1   | 0.18    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Copper    | 2.7     | 2.5   | 0.13    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Iron      | 3140    | 10    | 2.3     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Lead      | 7.7     | 1.0   | 0.41    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Magnesium | 2550    | 510   | 1.2     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Manganese | 107     | 1.5   | 0.071   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Mercury   | 0.014 B | 0.020 | 0.00080 | mg/kg | 1  | 12/24/07 | 12/24/07    | NS     | SW846 7471A <sup>2</sup> SW846 7471A <sup>4</sup> |
| Nickel    | 2.1 B   | 4.1   | 0.13    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Potassium | 1090    | 510   | 32      | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Selenium  | 0.24 U  | 1.0   | 0.24    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Silver    | 0.082 U | 1.0   | 0.082   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Sodium    | 3690    | 510   | 27      | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Thallium  | 0.51 U  | 2.0   | 0.51    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Vanadium  | 6.5     | 5.1   | 0.12    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Zinc      | 50.5    | 2.0   | 0.41    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |

(1) Instrument QC Batch: MA3293

(2) Instrument QC Batch: MA3295

(3) Prep QC Batch: MP7062

(4) Prep QC Batch: MP7083

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

|  |  |                                |
|--|--|--------------------------------|
| <b>Client Sample ID:</b> FR-152                              |  | <b>Date Sampled:</b> 12/11/07  |
| <b>Lab Sample ID:</b> T20073-12                              |  | <b>Date Received:</b> 12/12/07 |
| <b>Matrix:</b> SO - Soil                                     |  | <b>Percent Solids:</b> 72.9    |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |  |                                |

**General Chemistry**

| Analyte                           | Result | MQL | SDL | Units | DF | Analyzed | By  | Method            |
|-----------------------------------|--------|-----|-----|-------|----|----------|-----|-------------------|
| Chromium, Hexavalent <sup>a</sup> | 1.4 U  | 2.7 | 1.4 | mg/kg | 1  | 12/28/07 | AFL | SW846 3060A/7196A |
| Solids, Percent                   | 72.9   |     |     | %     | 1  | 12/14/07 | SS  | EPA 160.3 M       |

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-153                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-13                                    | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 74.4     |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|------------|----|----------|----|-----------|------------|------------------|
| Run #1 | M0001283.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |
| Run #2 |            |    |          |    |           |            |                  |

| Run #  | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 5.14 g         | 5.0 ml       |
| Run #2 |                |              |

## SW-846 8260B

| CAS No.    | Compound                    | Result   | MQL    | SDL    | Units | Q |
|------------|-----------------------------|----------|--------|--------|-------|---|
| 67-64-1    | Acetone                     | 0.0094 U | 0.065  | 0.0094 | mg/kg |   |
| 71-43-2    | Benzene                     | 0.0018 U | 0.0065 | 0.0018 | mg/kg |   |
| 108-86-1   | Bromobenzene                | 0.0017 U | 0.0065 | 0.0017 | mg/kg |   |
| 74-97-5    | Bromochloromethane          | 0.0019 U | 0.0065 | 0.0019 | mg/kg |   |
| 75-27-4    | Bromodichloromethane        | 0.0018 U | 0.0065 | 0.0018 | mg/kg |   |
| 75-25-2    | Bromoform                   | 0.0016 U | 0.0065 | 0.0016 | mg/kg |   |
| 71-36-3    | n-Butyl Alcohol             | 0.065 U  | 0.065  | 0.065  | mg/kg |   |
| 104-51-8   | n-Butylbenzene              | 0.0013 U | 0.0065 | 0.0013 | mg/kg |   |
| 98-06-6    | tert-Butylbenzene           | 0.0013 U | 0.0065 | 0.0013 | mg/kg |   |
| 108-90-7   | Chlorobenzene               | 0.0018 U | 0.0065 | 0.0018 | mg/kg |   |
| 75-00-3    | Chloroethane                | 0.0019 U | 0.0065 | 0.0019 | mg/kg |   |
| 67-66-3    | Chloroform                  | 0.0016 U | 0.0065 | 0.0016 | mg/kg |   |
| 95-49-8    | o-Chlorotoluene             | 0.0016 U | 0.0065 | 0.0016 | mg/kg |   |
| 106-43-4   | p-Chlorotoluene             | 0.0015 U | 0.0065 | 0.0015 | mg/kg |   |
| 75-15-0    | Carbon disulfide            | 0.0017 U | 0.013  | 0.0017 | mg/kg |   |
| 56-23-5    | Carbon tetrachloride        | 0.0014 U | 0.0065 | 0.0014 | mg/kg |   |
| 110-82-7   | Cyclohexane                 | 0.0015 U | 0.0065 | 0.0015 | mg/kg |   |
| 75-34-3    | 1,1-Dichloroethane          | 0.0017 U | 0.0065 | 0.0017 | mg/kg |   |
| 75-35-4    | 1,1-Dichloroethylene        | 0.0016 U | 0.0065 | 0.0016 | mg/kg |   |
| 563-58-6   | 1,1-Dichloropropene         | 0.0016 U | 0.0065 | 0.0016 | mg/kg |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 0.0018 U | 0.0065 | 0.0018 | mg/kg |   |
| 106-93-4   | 1,2-Dibromoethane           | 0.0018 U | 0.0065 | 0.0018 | mg/kg |   |
| 107-06-2   | 1,2-Dichloroethane          | 0.0018 U | 0.0065 | 0.0018 | mg/kg |   |
| 78-87-5    | 1,2-Dichloropropane         | 0.0019 U | 0.0065 | 0.0019 | mg/kg |   |
| 142-28-9   | 1,3-Dichloropropane         | 0.0019 U | 0.0065 | 0.0019 | mg/kg |   |
| 123-91-1   | 1,4-Dioxane                 | 0.031 U  | 0.33   | 0.031  | mg/kg |   |
| 594-20-7   | 2,2-Dichloropropane         | 0.0014 U | 0.0065 | 0.0014 | mg/kg |   |
| 124-48-1   | Dibromochloromethane        | 0.0018 U | 0.0065 | 0.0018 | mg/kg |   |
| 75-71-8    | Dichlorodifluoromethane     | 0.0014 U | 0.0065 | 0.0014 | mg/kg |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | 0.0018 U | 0.0065 | 0.0018 | mg/kg |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | 0.0016 U | 0.0065 | 0.0016 | mg/kg |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | 0.0017 U | 0.0065 | 0.0017 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-153                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-13                                    | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 74.4     |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8260B

| CAS No.    | Compound                  | Result   | MQL    | SDL    | Units | Q |
|------------|---------------------------|----------|--------|--------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | 0.0018 U | 0.0065 | 0.0018 | mg/kg |   |
| 100-41-4   | Ethylbenzene              | 0.0016 U | 0.0065 | 0.0016 | mg/kg |   |
| 60-29-7    | Ethyl Ether               | 0.0065 U | 0.0065 | 0.0065 | mg/kg |   |
| 110-54-3   | Hexane                    | 0.0014 U | 0.0065 | 0.0014 | mg/kg |   |
| 591-78-6   | 2-Hexanone                | 0.0089 U | 0.065  | 0.0089 | mg/kg |   |
| 87-68-3    | Hexachlorobutadiene       | 0.0015 U | 0.0065 | 0.0015 | mg/kg |   |
| 98-82-8    | Isopropylbenzene          | 0.0016 U | 0.0065 | 0.0016 | mg/kg |   |
| 99-87-6    | p-Isopropyltoluene        | 0.0016 U | 0.0065 | 0.0016 | mg/kg |   |
| 108-10-1   | 4-Methyl-2-pentanone      | 0.0091 U | 0.065  | 0.0091 | mg/kg |   |
| 74-83-9    | Methyl bromide            | 0.0020 U | 0.0065 | 0.0020 | mg/kg |   |
| 74-87-3    | Methyl chloride           | 0.0019 U | 0.0065 | 0.0019 | mg/kg |   |
| 74-95-3    | Methylene bromide         | 0.0026 U | 0.0065 | 0.0026 | mg/kg |   |
| 75-09-2    | Methylene chloride        | 0.0032 U | 0.013  | 0.0032 | mg/kg |   |
| 78-93-3    | Methyl ethyl ketone       | 0.0088 U | 0.065  | 0.0088 | mg/kg |   |
| 103-65-1   | n-Propylbenzene           | 0.0015 U | 0.0065 | 0.0015 | mg/kg |   |
| 100-42-5   | Styrene                   | 0.0017 U | 0.0065 | 0.0017 | mg/kg |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | 0.0018 U | 0.0065 | 0.0018 | mg/kg |   |
| 71-55-6    | 1,1,1-Trichloroethane     | 0.0016 U | 0.0065 | 0.0016 | mg/kg |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | 0.0019 U | 0.0065 | 0.0019 | mg/kg |   |
| 79-00-5    | 1,1,2-Trichloroethane     | 0.0018 U | 0.0065 | 0.0018 | mg/kg |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | 0.0016 U | 0.0065 | 0.0016 | mg/kg |   |
| 96-18-4    | 1,2,3-Trichloropropane    | 0.0018 U | 0.0065 | 0.0018 | mg/kg |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | 0.0013 U | 0.0065 | 0.0013 | mg/kg |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | 0.0015 U | 0.0065 | 0.0015 | mg/kg |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | 0.0014 U | 0.0065 | 0.0014 | mg/kg |   |
| 127-18-4   | Tetrachloroethylene       | 0.0017 U | 0.0065 | 0.0017 | mg/kg |   |
| 108-88-3   | Toluene                   | 0.0016 U | 0.0065 | 0.0016 | mg/kg |   |
| 79-01-6    | Trichloroethylene         | 0.0017 U | 0.0065 | 0.0017 | mg/kg |   |
| 75-69-4    | Trichlorofluoromethane    | 0.0013 U | 0.0065 | 0.0013 | mg/kg |   |
| 75-01-4    | Vinyl chloride            | 0.0018 U | 0.0065 | 0.0018 | mg/kg |   |
| 108-05-4   | Vinyl Acetate             | 0.0099 U | 0.033  | 0.0099 | mg/kg |   |
| 1330-20-7  | Xylene (total)            | 0.0049 U | 0.020  | 0.0049 | mg/kg |   |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7  | Dibromofluoromethane  | 109%   |        | 68-127% |
| 2037-26-5  | Toluene-D8            | 119%   |        | 76-139% |
| 460-00-4   | 4-Bromofluorobenzene  | 124%   |        | 68-167% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 96%    |        | 56-121% |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-153                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-13                                    | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 74.4     |
| Method:           | SW846 8270C SW846 3550B                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | A24859.D | 1  | 12/13/07 | SC | 12/12/07  | OP8697     | EA1542           |
| Run #2 |          |    |          |    |           |            |                  |

| Run #  | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 30.2 g         | 1.0 ml       |
| Run #2 |                |              |

## SW-846 8270C

| CAS No.  | Compound                   | Result  | MLQ  | SDL   | Units | Q |
|----------|----------------------------|---------|------|-------|-------|---|
| 108-98-5 | Benzenethiol               | 0.22 U  | 0.22 | 0.22  | mg/kg |   |
| 65-85-0  | Benzoic acid               | 0.056 U | 1.1  | 0.056 | mg/kg |   |
| 95-57-8  | 2-Chlorophenol             | 0.069 U | 0.22 | 0.069 | mg/kg |   |
| 59-50-7  | 4-Chloro-3-methyl phenol   | 0.051 U | 0.22 | 0.051 | mg/kg |   |
| 120-83-2 | 2,4-Dichlorophenol         | 0.075 U | 0.22 | 0.075 | mg/kg |   |
| 105-67-9 | 2,4-Dimethylphenol         | 0.071 U | 0.22 | 0.071 | mg/kg |   |
| 51-28-5  | 2,4-Dinitrophenol          | 0.075 U | 1.1  | 0.075 | mg/kg |   |
| 534-52-1 | 4,6-Dinitro-o-cresol       | 0.14 U  | 0.44 | 0.14  | mg/kg |   |
| 95-48-7  | 2-Methylphenol             | 0.048 U | 0.22 | 0.048 | mg/kg |   |
|          | 3&4-Methylphenol           | 0.073 U | 0.22 | 0.073 | mg/kg |   |
| 100-02-7 | 4-Nitrophenol              | 0.088 U | 0.22 | 0.088 | mg/kg |   |
| 87-86-5  | Pentachlorophenol          | 0.059 U | 1.1  | 0.059 | mg/kg |   |
| 108-95-2 | Phenol                     | 0.089 U | 0.22 | 0.089 | mg/kg |   |
| 95-95-4  | 2,4,5-Trichlorophenol      | 0.062 U | 0.22 | 0.062 | mg/kg |   |
| 88-06-2  | 2,4,6-Trichlorophenol      | 0.060 U | 0.22 | 0.060 | mg/kg |   |
| 83-32-9  | Acenaphthene               | 0.054 U | 0.22 | 0.054 | mg/kg |   |
| 208-96-8 | Acenaphthylene             | 0.060 U | 0.22 | 0.060 | mg/kg |   |
| 120-12-7 | Anthracene                 | 0.073 U | 0.22 | 0.073 | mg/kg |   |
| 56-55-3  | Benzo(a)anthracene         | 0.083 U | 0.22 | 0.083 | mg/kg |   |
| 50-32-8  | Benzo(a)pyrene             | 0.073 U | 0.22 | 0.073 | mg/kg |   |
| 205-99-2 | Benzo(b)fluoranthene       | 0.094 U | 0.22 | 0.094 | mg/kg |   |
| 191-24-2 | Benzo(g,h,i)perylene       | 0.12 U  | 0.22 | 0.12  | mg/kg |   |
| 207-08-9 | Benzo(k)fluoranthene       | 0.10 U  | 0.22 | 0.10  | mg/kg |   |
| 101-55-3 | 4-Bromophenyl phenyl ether | 0.085 U | 0.22 | 0.085 | mg/kg |   |
| 85-68-7  | Butyl benzyl phthalate     | 0.11 U  | 0.22 | 0.11  | mg/kg |   |
| 100-51-6 | Benzyl Alcohol             | 0.079 U | 0.22 | 0.079 | mg/kg |   |
| 91-58-7  | 2-Chloronaphthalene        | 0.062 U | 0.22 | 0.062 | mg/kg |   |
| 106-47-8 | 4-Chloroaniline            | 0.063 U | 0.22 | 0.063 | mg/kg |   |
| 86-74-8  | Carbazole                  | 0.096 U | 0.22 | 0.096 | mg/kg |   |
| 218-01-9 | Chrysene                   | 0.073 U | 0.22 | 0.073 | mg/kg |   |
| 111-91-1 | bis(2-Chloroethoxy)methane | 0.083 U | 0.22 | 0.083 | mg/kg |   |
| 111-44-4 | bis(2-Chloroethyl)ether    | 0.048 U | 0.22 | 0.048 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-153                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-13                                    | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 74.4     |
| Method:           | SW846 8270C SW846 3550B                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8270C

| CAS No.   | Compound                       | Result  | MQL  | SDL   | Units | Q |
|-----------|--------------------------------|---------|------|-------|-------|---|
| 7005-72-3 | 4-Chlorophenyl phenyl ether    | 0.068 U | 0.22 | 0.068 | mg/kg |   |
| 95-50-1   | 1,2-Dichlorobenzene            | 0.076 U | 0.22 | 0.076 | mg/kg |   |
| 541-73-1  | 1,3-Dichlorobenzene            | 0.069 U | 0.22 | 0.069 | mg/kg |   |
| 106-46-7  | 1,4-Dichlorobenzene            | 0.062 U | 0.22 | 0.062 | mg/kg |   |
| 121-14-2  | 2,4-Dinitrotoluene             | 0.097 U | 0.22 | 0.097 | mg/kg |   |
| 606-20-2  | 2,6-Dinitrotoluene             | 0.057 U | 0.22 | 0.057 | mg/kg |   |
| 91-94-1   | 3,3'-Dichlorobenzidine         | 0.090 U | 0.44 | 0.090 | mg/kg |   |
| 57-97-6   | 7,12-Dimethylbenz(a)anthracene | 0.22 U  | 0.22 | 0.22  | mg/kg |   |
| 226-36-8  | Dibenz(a,h)acridine            | 0.22 U  | 0.22 | 0.22  | mg/kg |   |
| 53-70-3   | Dibenzo(a,h)anthracene         | 0.077 U | 0.22 | 0.077 | mg/kg |   |
| 132-64-9  | Dibenzofuran                   | 0.061 U | 0.22 | 0.061 | mg/kg |   |
| 122-39-4  | Diphenylamine                  | 0.097 U | 0.22 | 0.097 | mg/kg |   |
| 84-74-2   | Di-n-butyl phthalate           | 0.11 U  | 0.22 | 0.11  | mg/kg |   |
| 117-84-0  | Di-n-octyl phthalate           | 0.20 U  | 0.22 | 0.20  | mg/kg |   |
| 84-66-2   | Diethyl phthalate              | 0.062 U | 0.22 | 0.062 | mg/kg |   |
| 131-11-3  | Dimethyl phthalate             | 0.055 U | 0.22 | 0.055 | mg/kg |   |
| 117-81-7  | bis(2-Ethylhexyl)phthalate     | 0.11 U  | 0.22 | 0.11  | mg/kg |   |
| 206-44-0  | Fluoranthene                   | 0.10 U  | 0.22 | 0.10  | mg/kg |   |
| 86-73-7   | Fluorene                       | 0.068 U | 0.22 | 0.068 | mg/kg |   |
| 118-74-1  | Hexachlorobenzene              | 0.073 U | 0.22 | 0.073 | mg/kg |   |
| 87-68-3   | Hexachlorobutadiene            | 0.068 U | 0.22 | 0.068 | mg/kg |   |
| 77-47-4   | Hexachlorocyclopentadiene      | 0.081 U | 0.22 | 0.081 | mg/kg |   |
| 67-72-1   | Hexachloroethane               | 0.065 U | 0.22 | 0.065 | mg/kg |   |
| 95-13-6   | Indene                         | 1.1 U   | 1.1  | 1.1   | mg/kg |   |
| 193-39-5  | Indeno(1,2,3-cd)pyrene         | 0.086 U | 0.22 | 0.086 | mg/kg |   |
| 78-59-1   | Isophorone                     | 0.058 U | 0.22 | 0.058 | mg/kg |   |
| 90-12-0   | 1-Methylnaphthalene            | 0.053 U | 0.22 | 0.053 | mg/kg |   |
| 91-57-6   | 2-Methylnaphthalene            | 0.059 U | 0.22 | 0.059 | mg/kg |   |
|           | 6-Methyl Chrysene              | 0.22 U  | 0.22 | 0.22  | mg/kg |   |
| 88-74-4   | 2-Nitroaniline                 | 0.058 U | 0.22 | 0.058 | mg/kg |   |
| 99-09-2   | 3-Nitroaniline                 | 0.083 U | 0.22 | 0.083 | mg/kg |   |
| 100-01-6  | 4-Nitroaniline                 | 0.12 U  | 0.22 | 0.12  | mg/kg |   |
| 91-20-3   | Naphthalene                    | 0.054 U | 0.22 | 0.054 | mg/kg |   |
| 98-95-3   | Nitrobenzene                   | 0.062 U | 0.22 | 0.062 | mg/kg |   |
| 621-64-7  | N-Nitroso-di-n-propylamine     | 0.089 U | 0.22 | 0.089 | mg/kg |   |
| 86-30-6   | N-Nitrosodiphenylamine         | 0.097 U | 0.22 | 0.097 | mg/kg |   |
| 85-01-8   | Phenanthrene                   | 0.083 U | 0.22 | 0.083 | mg/kg |   |
| 129-00-0  | Pyrene                         | 0.11 U  | 0.22 | 0.11  | mg/kg |   |
| 91-22-5   | Quinoline                      | 0.22 U  | 0.22 | 0.22  | mg/kg |   |
| 120-82-1  | 1,2,4-Trichlorobenzene         | 0.058 U | 0.22 | 0.058 | mg/kg |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|  |  |                                |
|--|--|--------------------------------|
| <b>Client Sample ID:</b> FR-153                              |  | <b>Date Sampled:</b> 12/11/07  |
| <b>Lab Sample ID:</b> T20073-13                              |  | <b>Date Received:</b> 12/12/07 |
| <b>Matrix:</b> SO - Soil                                     |  | <b>Percent Solids:</b> 74.4    |
| <b>Method:</b> SW846 8270C SW846 3550B                       |  |                                |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |  |                                |

**SW-846 8270C**

| CAS No.  | Compound                | Result | MQL  | SDL | Units | Q |
|----------|-------------------------|--------|------|-----|-------|---|
|          | 1,3&1,4-Cyclohexanediol | 1.1 U  | 0.22 | 1.1 | mg/kg |   |
| 931-17-9 | 1,2-Cyclohexanediol     | 1.1 U  | 0.22 | 1.1 | mg/kg |   |
| 98-85-1  | 1-Phenylethanol         | 1.1 U  | 0.22 | 1.1 | mg/kg |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 367-12-4  | 2-Fluorophenol       | 55%    |        | 26-124% |
| 4165-62-2 | Phenol-d5            | 59%    |        | 19-106% |
| 118-79-6  | 2,4,6-Tribromophenol | 69%    |        | 18-129% |
| 4165-60-0 | Nitrobenzene-d5      | 62%    |        | 18-104% |
| 321-60-8  | 2-Fluorobiphenyl     | 64%    |        | 21-114% |
| 1718-51-0 | Terphenyl-d14        | 98%    |        | 24-149% |

U = Not detected      SDL - Sample Detection Limit  
 MQL = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-153                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-13                                    | Date Received:  | 12/12/07 |
| Matrix:           | SO - Soil                                    | Percent Solids: | 74.4     |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## Metals Analysis

| Analyte   | Result  | MQL   | SDL     | Units | DF | Prep     | Analyzed By | Method | Prep Method                                       |
|-----------|---------|-------|---------|-------|----|----------|-------------|--------|---|
| Aluminum  | 5100    | 25    | 5.4     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Antimony  | 0.33 U  | 1.2   | 0.33    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Arsenic   | 1.2     | 1.2   | 0.25    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Barium    | 318     | 25    | 0.074   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Beryllium | 0.20 B  | 0.62  | 0.025   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Cadmium   | 0.12 U  | 0.62  | 0.12    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Calcium   | 1010    | 620   | 2.1     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Chromium  | 4.7     | 1.2   | 0.086   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Cobalt    | 1.0 B   | 6.2   | 0.22    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Copper    | 3.8     | 3.1   | 0.16    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Iron      | 3600    | 12    | 2.8     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Lead      | 7.6     | 1.2   | 0.49    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Magnesium | 2210    | 620   | 1.4     | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Manganese | 37.6    | 1.8   | 0.086   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Mercury   | 0.014 B | 0.021 | 0.00083 | mg/kg | 1  | 12/24/07 | 12/24/07    | NS     | SW846 7471A <sup>2</sup> SW846 7471A <sup>4</sup> |
| Nickel    | 2.0 B   | 4.9   | 0.16    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Potassium | 1280    | 620   | 38      | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Selenium  | 0.30 U  | 1.2   | 0.30    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Silver    | 0.098 U | 1.2   | 0.098   | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Sodium    | 4340    | 620   | 33      | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Thallium  | 0.62 U  | 2.5   | 0.62    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Vanadium  | 6.7     | 6.2   | 0.15    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |
| Zinc      | 69.1    | 2.5   | 0.49    | mg/kg | 1  | 12/19/07 | 12/21/07    | NS     | SW846 6010B <sup>1</sup> SW846 3050B <sup>3</sup> |

(1) Instrument QC Batch: MA3293

(2) Instrument QC Batch: MA3295

(3) Prep QC Batch: MP7062

(4) Prep QC Batch: MP7083

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

|  |                                |
|--|--------------------------------|
| <b>Client Sample ID:</b> FR-153                              | <b>Date Sampled:</b> 12/11/07  |
| <b>Lab Sample ID:</b> T20073-13                              | <b>Date Received:</b> 12/12/07 |
| <b>Matrix:</b> SO - Soil                                     | <b>Percent Solids:</b> 74.4    |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |                                |

### General Chemistry

| Analyte                           | Result | MQL | SDL | Units | DF | Analyzed | By  | Method            |
|-----------------------------------|--------|-----|-----|-------|----|----------|-----|-------------------|
| Chromium, Hexavalent <sup>a</sup> | 1.3 U  | 2.7 | 1.3 | mg/kg | 1  | 12/28/07 | AFL | SW846 3060A/7196A |
| Solids, Percent                   | 74.4   |     |     | %     | 1  | 12/14/07 | SS  | EPA 160.3 M       |

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-154                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-14                                    | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|------------|----|----------|----|-----------|------------|------------------|
| Run #1 | Y0018621.D | 1  | 12/13/07 | LJ | n/a       | n/a        | VY1521           |
| Run #2 |            |    |          |    |           |            |                  |

| Run #  | Purge Volume |
|--------|--------------|
| Run #1 | 5.0 ml       |
| Run #2 |              |

## SW-846 8260B

| CAS No.    | Compound                    | Result    | MLQ    | SDL     | Units | Q |
|------------|-----------------------------|-----------|--------|---------|-------|---|
| 67-64-1    | Acetone                     | 0.0063    | 0.050  | 0.0026  | mg/l  | J |
| 71-43-2    | Benzene                     | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |
| 108-86-1   | Bromobenzene                | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 74-97-5    | Bromochloromethane          | 0.00049 U | 0.0020 | 0.00049 | mg/l  |   |
| 75-27-4    | Bromodichloromethane        | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 75-25-2    | Bromoform                   | 0.0014 U  | 0.0020 | 0.0014  | mg/l  |   |
| 71-36-3    | n-Butyl Alcohol             | 0.020 U   | 0.020  | 0.020   | mg/l  |   |
| 104-51-8   | n-Butylbenzene              | 0.00055 U | 0.0020 | 0.00055 | mg/l  |   |
| 98-06-6    | tert-Butylbenzene           | 0.00083 U | 0.0020 | 0.00083 | mg/l  |   |
| 108-90-7   | Chlorobenzene               | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 75-00-3    | Chloroethane                | 0.00039 U | 0.0020 | 0.00039 | mg/l  |   |
| 67-66-3    | Chloroform                  | 0.00054 U | 0.0020 | 0.00054 | mg/l  |   |
| 95-49-8    | o-Chlorotoluene             | 0.00038 U | 0.0020 | 0.00038 | mg/l  |   |
| 106-43-4   | p-Chlorotoluene             | 0.00050 U | 0.0020 | 0.00050 | mg/l  |   |
| 75-15-0    | Carbon disulfide            | 0.00051 U | 0.0020 | 0.00051 | mg/l  |   |
| 56-23-5    | Carbon tetrachloride        | 0.00045 U | 0.0020 | 0.00045 | mg/l  |   |
| 110-82-7   | Cyclohexane                 | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 75-34-3    | 1,1-Dichloroethane          | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 75-35-4    | 1,1-Dichloroethylene        | 0.00048 U | 0.0020 | 0.00048 | mg/l  |   |
| 563-58-6   | 1,1-Dichloropropene         | 0.00035 U | 0.0020 | 0.00035 | mg/l  |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 0.0011 U  | 0.0020 | 0.0011  | mg/l  |   |
| 106-93-4   | 1,2-Dibromoethane           | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 107-06-2   | 1,2-Dichloroethane          | 0.00050 U | 0.0020 | 0.00050 | mg/l  |   |
| 78-87-5    | 1,2-Dichloropropane         | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 142-28-9   | 1,3-Dichloropropane         | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 123-91-1   | 1,4-Dioxane                 | 0.13 U    | 0.25   | 0.13    | mg/l  |   |
| 594-20-7   | 2,2-Dichloropropane         | 0.00058 U | 0.0020 | 0.00058 | mg/l  |   |
| 124-48-1   | Dibromochloromethane        | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |
| 75-71-8    | Dichlorodifluoromethane     | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | 0.00043 U | 0.0020 | 0.00043 | mg/l  |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-154                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-14                                    | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8260B

| CAS No.    | Compound                  | Result    | MQL    | SDL     | Units | Q |
|------------|---------------------------|-----------|--------|---------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | 0.00036 U | 0.0020 | 0.00036 | mg/l  |   |
| 100-41-4   | Ethylbenzene              | 0.00045 U | 0.0020 | 0.00045 | mg/l  |   |
| 60-29-7    | Ethyl Ether               | 0.0020 U  | 0.0020 | 0.0020  | mg/l  |   |
| 110-54-3   | hexane                    | 0.00061 U | 0.0020 | 0.00061 | mg/l  |   |
| 591-78-6   | 2-Hexanone                | 0.0024 U  | 0.010  | 0.0024  | mg/l  |   |
| 87-68-3    | Hexachlorobutadiene       | 0.0012 U  | 0.0020 | 0.0012  | mg/l  |   |
| 98-82-8    | Isopropylbenzene          | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 99-87-6    | p-Isopropyltoluene        | 0.00040 U | 0.0020 | 0.00040 | mg/l  |   |
| 108-10-1   | 4-Methyl-2-pentanone      | 0.0025 U  | 0.010  | 0.0025  | mg/l  |   |
| 74-83-9    | Methyl bromide            | 0.00054 U | 0.0020 | 0.00054 | mg/l  |   |
| 74-87-3    | Methyl chloride           | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 74-95-3    | Methylene bromide         | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 75-09-2    | Methylene chloride        | 0.00041 U | 0.0050 | 0.00041 | mg/l  |   |
| 78-93-3    | Methyl ethyl ketone       | 0.0025 U  | 0.010  | 0.0025  | mg/l  |   |
| 103-65-1   | n-Propylbenzene           | 0.00051 U | 0.0020 | 0.00051 | mg/l  |   |
| 100-42-5   | Styrene                   | 0.00035 U | 0.0020 | 0.00035 | mg/l  |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | 0.00037 U | 0.0020 | 0.00037 | mg/l  |   |
| 71-55-6    | 1,1,1-Trichloroethane     | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 79-00-5    | 1,1,2-Trichloroethane     | 0.00044 U | 0.0020 | 0.00044 | mg/l  |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | 0.00043 U | 0.0020 | 0.00043 | mg/l  |   |
| 96-18-4    | 1,2,3-Trichloropropane    | 0.00069 U | 0.0020 | 0.00069 | mg/l  |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | 0.00044 U | 0.0020 | 0.00044 | mg/l  |   |
| 127-18-4   | Tetrachloroethylene       | 0.00050 U | 0.0020 | 0.00050 | mg/l  |   |
| 108-88-3   | Toluene                   | 0.00048 U | 0.0020 | 0.00048 | mg/l  |   |
| 79-01-6    | Trichloroethylene         | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 75-69-4    | Trichlorofluoromethane    | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 75-01-4    | Vinyl chloride            | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 108-05-4   | Vinyl Acetate             | 0.0023 U  | 0.010  | 0.0023  | mg/l  |   |
| 1330-20-7  | Xylene (total)            | 0.0014 U  | 0.0060 | 0.0014  | mg/l  |   |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7  | Dibromofluoromethane  | 107%   |        | 76-125% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 104%   |        | 69-128% |
| 2037-26-5  | Toluene-D8            | 119%   |        | 80-121% |
| 460-00-4   | 4-Bromofluorobenzene  | 118%   |        | 69-142% |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-154                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-14                                    | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Method:           | SW846 8270C SW846 3510C                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | H24815.D | 1  | 12/14/07 | SC | 12/14/07  | OP8713     | EH1393           |
| Run #2 |          |    |          |    |           |            |                  |

| Run #  | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1000 ml        | 1.0 ml       |
| Run #2 |                |              |

## SW-846 8270C

| CAS No.  | Compound                   | Result    | MLQ    | SDL     | Units | Q |
|----------|----------------------------|-----------|--------|---------|-------|---|
| 108-98-5 | Benzenethiol               | 0.010 U   | 0.010  | 0.010   | mg/l  |   |
| 65-85-0  | Benzoic Acid               | 0.00058 U | 0.010  | 0.00058 | mg/l  |   |
| 95-57-8  | 2-Chlorophenol             | 0.0014 U  | 0.0050 | 0.0014  | mg/l  |   |
| 59-50-7  | 4-Chloro-3-methyl phenol   | 0.0012 U  | 0.0050 | 0.0012  | mg/l  |   |
| 120-83-2 | 2,4-Dichlorophenol         | 0.0018 U  | 0.0050 | 0.0018  | mg/l  |   |
| 105-67-9 | 2,4-Dimethylphenol         | 0.0026 U  | 0.0050 | 0.0026  | mg/l  |   |
| 51-28-5  | 2,4-Dinitrophenol          | 0.0024 U  | 0.025  | 0.0024  | mg/l  |   |
| 534-52-1 | 4,6-Dinitro-o-cresol       | 0.0039 U  | 0.010  | 0.0039  | mg/l  |   |
| 95-48-7  | 2-Methylphenol             | 0.0012 U  | 0.0050 | 0.0012  | mg/l  |   |
|          | 3&4-Methylphenol           | 0.0011 U  | 0.0050 | 0.0011  | mg/l  |   |
| 100-02-7 | 4-Nitrophenol              | 0.0017 U  | 0.025  | 0.0017  | mg/l  |   |
| 87-86-5  | Pentachlorophenol          | 0.0040 U  | 0.025  | 0.0040  | mg/l  |   |
| 108-95-2 | Phenol                     | 0.00052 U | 0.0050 | 0.00052 | mg/l  |   |
| 95-95-4  | 2,4,5-Trichlorophenol      | 0.0018 U  | 0.0050 | 0.0018  | mg/l  |   |
| 88-06-2  | 2,4,6-Trichlorophenol      | 0.0015 U  | 0.0050 | 0.0015  | mg/l  |   |
| 83-32-9  | Acenaphthene               | 0.0015 U  | 0.0050 | 0.0015  | mg/l  |   |
| 208-96-8 | Acenaphthylene             | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 120-12-7 | Anthracene                 | 0.0018 U  | 0.0050 | 0.0018  | mg/l  |   |
| 56-55-3  | Benzo(a)anthracene         | 0.0014 U  | 0.0050 | 0.0014  | mg/l  |   |
| 50-32-8  | Benzo(a)pyrene             | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 205-99-2 | Benzo(b)fluoranthene       | 0.0015 U  | 0.0050 | 0.0015  | mg/l  |   |
| 191-24-2 | Benzo(g,h,i)perylene       | 0.0025 U  | 0.0050 | 0.0025  | mg/l  |   |
| 207-08-9 | Benzo(k)fluoranthene       | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 101-55-3 | 4-Bromophenyl phenyl ether | 0.0021 U  | 0.0050 | 0.0021  | mg/l  |   |
| 85-68-7  | Butyl benzyl phthalate     | 0.0017 U  | 0.0050 | 0.0017  | mg/l  |   |
| 100-51-6 | Benzyl Alcohol             | 0.0019 U  | 0.0050 | 0.0019  | mg/l  |   |
| 91-58-7  | 2-Chloronaphthalene        | 0.0012 U  | 0.0050 | 0.0012  | mg/l  |   |
| 106-47-8 | 4-Chloroaniline            | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 86-74-8  | Carbazole                  | 0.0017 U  | 0.0050 | 0.0017  | mg/l  |   |
| 218-01-9 | Chrysene                   | 0.0013 U  | 0.0050 | 0.0013  | mg/l  |   |
| 111-91-1 | bis(2-Chloroethoxy)methane | 0.0016 U  | 0.0050 | 0.0016  | mg/l  |   |
| 111-44-4 | bis(2-Chloroethyl)ether    | 0.0012 U  | 0.0050 | 0.0012  | mg/l  |   |

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-154                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-14                                    | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Method:           | SW846 8270C SW846 3510C                      |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8270C

| CAS No.   | Compound                       | Result   | MQL    | SDL    | Units | Q |
|-----------|--------------------------------|----------|--------|--------|-------|---|
| 7005-72-3 | 4-Chlorophenyl phenyl ether    | 0.0015 U | 0.0050 | 0.0015 | mg/l  |   |
| 95-50-1   | 1,2-Dichlorobenzene            | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 541-73-1  | 1,3-Dichlorobenzene            | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 106-46-7  | 1,4-Dichlorobenzene            | 0.0015 U | 0.0050 | 0.0015 | mg/l  |   |
| 121-14-2  | 2,4-Dinitrotoluene             | 0.0024 U | 0.0050 | 0.0024 | mg/l  |   |
| 606-20-2  | 2,6-Dinitrotoluene             | 0.0017 U | 0.0050 | 0.0017 | mg/l  |   |
| 91-94-1   | 3,3'-Dichlorobenzidine         | 0.0037 U | 0.010  | 0.0037 | mg/l  |   |
| 57-97-6   | 7,12-Dimethylbenz(a)anthracene | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
| 226-36-8  | Dibenz(a,h)acridine            | 0.0010 U | 0.0050 | 0.0010 | mg/l  |   |
| 53-70-3   | Dibenzo(a,h)anthracene         | 0.0013 U | 0.0050 | 0.0013 | mg/l  |   |
| 132-64-9  | Dibenzofuran                   | 0.0023 U | 0.0050 | 0.0023 | mg/l  |   |
| 122-39-4  | Diphenylamine                  | 0.0019 U | 0.0050 | 0.0019 | mg/l  |   |
| 84-74-2   | Di-n-butyl phthalate           | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 117-84-0  | Di-n-octyl phthalate           | 0.0090   | 0.0050 | 0.0013 | mg/l  |   |
| 84-66-2   | Diethyl phthalate              | 0.0011 U | 0.0050 | 0.0011 | mg/l  |   |
| 131-11-3  | Dimethyl phthalate             | 0.0018 U | 0.0050 | 0.0018 | mg/l  |   |
| 117-81-7  | bis(2-Ethylhexyl)phthalate     | 0.0026   | 0.0050 | 0.0015 | mg/l  | J |
| 206-44-0  | Fluoranthene                   | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 86-73-7   | Fluorene                       | 0.0021 U | 0.0050 | 0.0021 | mg/l  |   |
| 118-74-1  | Hexachlorobenzene              | 0.0019 U | 0.0050 | 0.0019 | mg/l  |   |
| 87-68-3   | Hexachlorobutadiene            | 0.0019 U | 0.0050 | 0.0019 | mg/l  |   |
| 77-47-4   | Hexachlorocyclopentadiene      | 0.0014 U | 0.0050 | 0.0014 | mg/l  |   |
| 67-72-1   | Hexachloroethane               | 0.0017 U | 0.0050 | 0.0017 | mg/l  |   |
| 95-13-6   | Indene                         | 0.014 U  | 0.015  | 0.014  | mg/l  |   |
| 193-39-5  | Indeno(1,2,3-cd)pyrene         | 0.0024 U | 0.0050 | 0.0024 | mg/l  |   |
| 78-59-1   | Isophorone                     | 0.0012 U | 0.0050 | 0.0012 | mg/l  |   |
| 90-12-0   | 1-Methylnaphthalene            | 0.0017 U | 0.0050 | 0.0017 | mg/l  |   |
| 91-57-6   | 2-Methylnaphthalene            | 0.0020 U | 0.0050 | 0.0020 | mg/l  |   |
|           | 6-Methyl Chrysene              | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
| 88-74-4   | 2-Nitroaniline                 | 0.0021 U | 0.0050 | 0.0021 | mg/l  |   |
| 99-09-2   | 3-Nitroaniline                 | 0.0027 U | 0.0050 | 0.0027 | mg/l  |   |
| 100-01-6  | 4-Nitroaniline                 | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
| 91-20-3   | Naphthalene                    | 0.0015 U | 0.0050 | 0.0015 | mg/l  |   |
| 98-95-3   | Nitrobenzene                   | 0.0014 U | 0.0050 | 0.0014 | mg/l  |   |
| 621-64-7  | N-Nitroso-di-n-propylamine     | 0.0017 U | 0.0050 | 0.0017 | mg/l  |   |
| 86-30-6   | N-Nitrosodiphenylamine         | 0.0019 U | 0.0050 | 0.0019 | mg/l  |   |
| 85-01-8   | Phenanthrene                   | 0.0016 U | 0.0050 | 0.0016 | mg/l  |   |
| 129-00-0  | Pyrene                         | 0.0011 U | 0.0050 | 0.0011 | mg/l  |   |
| 91-22-5   | Quinoline                      | 0.0010 U | 0.0050 | 0.0010 | mg/l  |   |
| 120-82-1  | 1,2,4-Trichlorobenzene         | 0.0010 U | 0.0050 | 0.0010 | mg/l  |   |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|  |  |                                |
|--|--|--------------------------------|
| <b>Client Sample ID:</b> FR-154                              |  | <b>Date Sampled:</b> 12/11/07  |
| <b>Lab Sample ID:</b> T20073-14                              |  | <b>Date Received:</b> 12/12/07 |
| <b>Matrix:</b> AQ - Water                                    |  | <b>Percent Solids:</b> n/a     |
| <b>Method:</b> SW846 8270C SW846 3510C                       |  |                                |
| <b>Project:</b> Falcon Refinery Superfund Site/Ingleside, TX |  |                                |

**SW-846 8270C**

| CAS No.  | Compound                | Result   | MQL    | SDL    | Units | Q |
|----------|-------------------------|----------|--------|--------|-------|---|
| 98-85-1  | 1-Phenylethanol         | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
| 931-17-9 | 1,2-Cyclohexanediol     | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |
|          | 1,3&1,4-Cyclohexanediol | 0.0050 U | 0.0050 | 0.0050 | mg/l  |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 367-12-4  | 2-Fluorophenol       | 36%    |        | 10-66%  |
| 4165-62-2 | Phenol-d5            | 25%    |        | 10-53%  |
| 118-79-6  | 2,4,6-Tribromophenol | 70%    |        | 32-128% |
| 4165-60-0 | Nitrobenzene-d5      | 57%    |        | 29-115% |
| 321-60-8  | 2-Fluorobiphenyl     | 63%    |        | 34-113% |
| 1718-51-0 | Terphenyl-d14        | 87%    |        | 12-145% |

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|   |                              |  |
|---|------------------------------|--|
| U = Not detected                              | SDL - Sample Detection Limit | J = Indicates an estimated value                       |
| MQL = Method Quantitation Limit               |                              | B = Indicates analyte found in associated method blank |
| E = Indicates value exceeds calibration range |                              | N = Indicates presumptive evidence of a compound       |

### Report of Analysis

|                          |  |                        |          |
|--------------------------|--|------------------------|----------|
| <b>Client Sample ID:</b> | FR-154                                       | <b>Date Sampled:</b>   | 12/11/07 |
| <b>Lab Sample ID:</b>    | T20073-14                                    | <b>Date Received:</b>  | 12/12/07 |
| <b>Matrix:</b>           | AQ - Water                                   | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SW846 8270C BY SIM SW846 3510C               |                        |          |
| <b>Project:</b>          | Falcon Refinery Superfund Site/Ingleside, TX |                        |          |

| Run #  | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | A24897.D | 1  | 12/17/07 | SC | 12/14/07  | OP8714     | EA1544           |
| Run #2 |          |    |          |    |           |            |                  |

| Run #  | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1000 ml        | 1.0 ml       |
| Run #2 |                |              |

**BN PAH List**

| CAS No.  | Compound             | Result     | ML      | SDL      | Units | Q |
|----------|----------------------|------------|---------|----------|-------|---|
| 56-55-3  | Benzo(a)anthracene   | 0.000055 U | 0.00020 | 0.000055 | mg/l  |   |
| 50-32-8  | Benzo(a)pyrene       | 0.000099 U | 0.00020 | 0.000099 | mg/l  |   |
| 205-99-2 | Benzo(b)fluoranthene | 0.000056 U | 0.00020 | 0.000056 | mg/l  |   |
| 207-08-9 | Benzo(k)fluoranthene | 0.000046 U | 0.00020 | 0.000046 | mg/l  |   |

U = Not detected      SDL - Sample Detection Limit      J = Indicates an estimated value  
 MQL = Method Quantitation Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-154                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-14                                    | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## Metals Analysis

| Analyte   | Result  | MQL  | SDL   | Units | DF | Prep     | Analyzed By | Method                      | Prep Method              |
|-----------|---------|------|-------|-------|----|----------|-------------|-----------------------------|--------------------------|
| Aluminum  | 86 U    | 200  | 86    | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Antimony  | 2.7 U   | 5.0  | 2.7   | ug/l  | 1  | 12/17/07 | 12/23/07    | NS SW846 6010B <sup>3</sup> | SW846 3010A <sup>5</sup> |
| Arsenic   | 2.7 U   | 5.0  | 2.7   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Barium    | 2.4 U   | 200  | 2.4   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Beryllium | 0.29 B  | 5.0  | 0.26  | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Cadmium   | 1.8 U   | 4.0  | 1.8   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Calcium   | 170 U   | 5000 | 170   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Chromium  | 1.5 U   | 10   | 1.5   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Cobalt    | 9.6 U   | 50   | 9.6   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Copper    | 10.4 B  | 25   | 5.9   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Iron      | 38.0 B  | 100  | 24    | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Lead      | 2.9 B   | 3.0  | 2.8   | ug/l  | 1  | 12/20/07 | 12/21/07    | NS SW846 6010B <sup>2</sup> | SW846 3010A <sup>6</sup> |
| Magnesium | 13 U    | 5000 | 13    | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Manganese | 4.1 U   | 15   | 4.1   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Mercury   | 0.094 U | 0.20 | 0.094 | ug/l  | 1  | 12/24/07 | 12/24/07    | NS SW846 7470A <sup>4</sup> | SW846 7470A <sup>7</sup> |
| Nickel    | 2.6 U   | 40   | 2.6   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Potassium | 160 U   | 5000 | 160   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Selenium  | 2.3 U   | 5.0  | 2.3   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Silver    | 1.1 U   | 10   | 1.1   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Sodium    | 373 B   | 5000 | 330   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Thallium  | 2.7 U   | 10   | 2.7   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Vanadium  | 0.94 U  | 50   | 0.94  | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |
| Zinc      | 24.0    | 20   | 7.5   | ug/l  | 1  | 12/17/07 | 12/17/07    | NS SW846 6010B <sup>1</sup> | SW846 3010A <sup>5</sup> |

- (1) Instrument QC Batch: MA3284  
(2) Instrument QC Batch: MA3293  
(3) Instrument QC Batch: MA3294  
(4) Instrument QC Batch: MA3296  
(5) Prep QC Batch: MP7047  
(6) Prep QC Batch: MP7068  
(7) Prep QC Batch: MP7085

MQL = Method Quantitation Limit  
SDL = Sample Detection Limit

U = Indicates a result < SDL  
B = Indicates a result >= SDL but < MQL

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | FR-154                                       | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-14                                    | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Water                                   | Percent Solids: | n/a      |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

### General Chemistry

| Analyte              | Result   | MQL   | SDL    | Units | DF | Analyzed       | By | Method      |
|----------------------|----------|-------|--------|-------|----|----------------|----|-------------|
| Chromium, Hexavalent | 0.0040 B | 0.010 | 0.0040 | mg/l  | 1  | 12/12/07 07:15 | SS | SW846 7196A |

MQL = Method Quantitation Limit  
 SDL = Sample Detection Limit

U = Indicates a result < SDL  
 B = Indicates a result >= SDL but < MQL

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | TRIP BLANK                                   |                 |          |
| Lab Sample ID:    | T20073-15                                    | Date Sampled:   | 12/11/07 |
| Matrix:           | AQ - Trip Blank Soil                         | Date Received:  | 12/12/07 |
| Method:           | SW846 8260B                                  | Percent Solids: | n/a      |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|------------|----|----------|----|-----------|------------|------------------|
| Run #1 | Y0018612.D | 1  | 12/13/07 | LJ | n/a       | n/a        | VY1521           |
| Run #2 |            |    |          |    |           |            |                  |

| Run #  | Purge Volume |
|--------|--------------|
| Run #1 | 5.0 ml       |
| Run #2 |              |

## SW-846 8260B

| CAS No.    | Compound                    | Result    | MLQ    | SDL     | Units | Q |
|------------|-----------------------------|-----------|--------|---------|-------|---|
| 67-64-1    | Acetone                     | 0.0026 U  | 0.050  | 0.0026  | mg/l  |   |
| 71-43-2    | Benzene                     | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |
| 108-86-1   | Bromobenzene                | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 74-97-5    | Bromochloromethane          | 0.00049 U | 0.0020 | 0.00049 | mg/l  |   |
| 75-27-4    | Bromodichloromethane        | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 75-25-2    | Bromoform                   | 0.0014 U  | 0.0020 | 0.0014  | mg/l  |   |
| 71-36-3    | n-Butyl Alcohol             | 0.020 U   | 0.020  | 0.020   | mg/l  |   |
| 104-51-8   | n-Butylbenzene              | 0.00055 U | 0.0020 | 0.00055 | mg/l  |   |
| 98-06-6    | tert-Butylbenzene           | 0.00083 U | 0.0020 | 0.00083 | mg/l  |   |
| 108-90-7   | Chlorobenzene               | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 75-00-3    | Chloroethane                | 0.00039 U | 0.0020 | 0.00039 | mg/l  |   |
| 67-66-3    | Chloroform                  | 0.00054 U | 0.0020 | 0.00054 | mg/l  |   |
| 95-49-8    | o-Chlorotoluene             | 0.00038 U | 0.0020 | 0.00038 | mg/l  |   |
| 106-43-4   | p-Chlorotoluene             | 0.00050 U | 0.0020 | 0.00050 | mg/l  |   |
| 75-15-0    | Carbon disulfide            | 0.00051 U | 0.0020 | 0.00051 | mg/l  |   |
| 56-23-5    | Carbon tetrachloride        | 0.00045 U | 0.0020 | 0.00045 | mg/l  |   |
| 110-82-7   | Cyclohexane                 | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 75-34-3    | 1,1-Dichloroethane          | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 75-35-4    | 1,1-Dichloroethylene        | 0.00048 U | 0.0020 | 0.00048 | mg/l  |   |
| 563-58-6   | 1,1-Dichloropropene         | 0.00035 U | 0.0020 | 0.00035 | mg/l  |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 0.0011 U  | 0.0020 | 0.0011  | mg/l  |   |
| 106-93-4   | 1,2-Dibromoethane           | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 107-06-2   | 1,2-Dichloroethane          | 0.00050 U | 0.0020 | 0.00050 | mg/l  |   |
| 78-87-5    | 1,2-Dichloropropane         | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 142-28-9   | 1,3-Dichloropropane         | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 123-91-1   | 1,4-Dioxane                 | 0.13 U    | 0.25   | 0.13    | mg/l  |   |
| 594-20-7   | 2,2-Dichloropropane         | 0.00058 U | 0.0020 | 0.00058 | mg/l  |   |
| 124-48-1   | Dibromochloromethane        | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |
| 75-71-8    | Dichlorodifluoromethane     | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | 0.00043 U | 0.0020 | 0.00043 | mg/l  |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | TRIP BLANK                                   | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-15                                    | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Trip Blank Soil                         | Percent Solids: | n/a      |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8260B

| CAS No.    | Compound                  | Result    | MQL    | SDL     | Units | Q |
|------------|---------------------------|-----------|--------|---------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | 0.00036 U | 0.0020 | 0.00036 | mg/l  |   |
| 100-41-4   | Ethylbenzene              | 0.00045 U | 0.0020 | 0.00045 | mg/l  |   |
| 60-29-7    | Ethyl Ether               | 0.0020 U  | 0.0020 | 0.0020  | mg/l  |   |
| 110-54-3   | hexane                    | 0.00061 U | 0.0020 | 0.00061 | mg/l  |   |
| 591-78-6   | 2-Hexanone                | 0.0024 U  | 0.010  | 0.0024  | mg/l  |   |
| 87-68-3    | Hexachlorobutadiene       | 0.0012 U  | 0.0020 | 0.0012  | mg/l  |   |
| 98-82-8    | Isopropylbenzene          | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 99-87-6    | p-Isopropyltoluene        | 0.00040 U | 0.0020 | 0.00040 | mg/l  |   |
| 108-10-1   | 4-Methyl-2-pentanone      | 0.0025 U  | 0.010  | 0.0025  | mg/l  |   |
| 74-83-9    | Methyl bromide            | 0.00054 U | 0.0020 | 0.00054 | mg/l  |   |
| 74-87-3    | Methyl chloride           | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 74-95-3    | Methylene bromide         | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 75-09-2    | Methylene chloride        | 0.00041 U | 0.0050 | 0.00041 | mg/l  |   |
| 78-93-3    | Methyl ethyl ketone       | 0.0025 U  | 0.010  | 0.0025  | mg/l  |   |
| 103-65-1   | n-Propylbenzene           | 0.00051 U | 0.0020 | 0.00051 | mg/l  |   |
| 100-42-5   | Styrene                   | 0.00035 U | 0.0020 | 0.00035 | mg/l  |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | 0.00037 U | 0.0020 | 0.00037 | mg/l  |   |
| 71-55-6    | 1,1,1-Trichloroethane     | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 79-00-5    | 1,1,2-Trichloroethane     | 0.00044 U | 0.0020 | 0.00044 | mg/l  |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | 0.00043 U | 0.0020 | 0.00043 | mg/l  |   |
| 96-18-4    | 1,2,3-Trichloropropane    | 0.00069 U | 0.0020 | 0.00069 | mg/l  |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | 0.00044 U | 0.0020 | 0.00044 | mg/l  |   |
| 127-18-4   | Tetrachloroethylene       | 0.00050 U | 0.0020 | 0.00050 | mg/l  |   |
| 108-88-3   | Toluene                   | 0.00048 U | 0.0020 | 0.00048 | mg/l  |   |
| 79-01-6    | Trichloroethylene         | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 75-69-4    | Trichlorofluoromethane    | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 75-01-4    | Vinyl chloride            | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 108-05-4   | Vinyl Acetate             | 0.0023 U  | 0.010  | 0.0023  | mg/l  |   |
| 1330-20-7  | Xylene (total)            | 0.0014 U  | 0.0060 | 0.0014  | mg/l  |   |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7  | Dibromofluoromethane  | 110%   |        | 76-125% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 102%   |        | 69-128% |
| 2037-26-5  | Toluene-D8            | 119%   |        | 80-121% |
| 460-00-4   | 4-Bromofluorobenzene  | 119%   |        | 69-142% |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | TRIP BLANK                                   |                 |          |
| Lab Sample ID:    | T20073-16                                    | Date Sampled:   | 12/11/07 |
| Matrix:           | AQ - Trip Blank Water                        | Date Received:  | 12/12/07 |
| Method:           | SW846 8260B                                  | Percent Solids: | n/a      |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

| Run #  | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|------------|----|----------|----|-----------|------------|------------------|
| Run #1 | Y0018613.D | 1  | 12/13/07 | LJ | n/a       | n/a        | VY1521           |
| Run #2 |            |    |          |    |           |            |                  |

| Run #  | Purge Volume |
|--------|--------------|
| Run #1 | 5.0 ml       |
| Run #2 |              |

## SW-846 8260B

| CAS No.    | Compound                    | Result    | MLQ    | SDL     | Units | Q |
|------------|-----------------------------|-----------|--------|---------|-------|---|
| 67-64-1    | Acetone                     | 0.0026 U  | 0.050  | 0.0026  | mg/l  |   |
| 71-43-2    | Benzene                     | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |
| 108-86-1   | Bromobenzene                | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 74-97-5    | Bromochloromethane          | 0.00049 U | 0.0020 | 0.00049 | mg/l  |   |
| 75-27-4    | Bromodichloromethane        | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 75-25-2    | Bromoform                   | 0.0014 U  | 0.0020 | 0.0014  | mg/l  |   |
| 71-36-3    | n-Butyl Alcohol             | 0.020 U   | 0.020  | 0.020   | mg/l  |   |
| 104-51-8   | n-Butylbenzene              | 0.00055 U | 0.0020 | 0.00055 | mg/l  |   |
| 98-06-6    | tert-Butylbenzene           | 0.00083 U | 0.0020 | 0.00083 | mg/l  |   |
| 108-90-7   | Chlorobenzene               | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 75-00-3    | Chloroethane                | 0.00039 U | 0.0020 | 0.00039 | mg/l  |   |
| 67-66-3    | Chloroform                  | 0.00054 U | 0.0020 | 0.00054 | mg/l  |   |
| 95-49-8    | o-Chlorotoluene             | 0.00038 U | 0.0020 | 0.00038 | mg/l  |   |
| 106-43-4   | p-Chlorotoluene             | 0.00050 U | 0.0020 | 0.00050 | mg/l  |   |
| 75-15-0    | Carbon disulfide            | 0.00051 U | 0.0020 | 0.00051 | mg/l  |   |
| 56-23-5    | Carbon tetrachloride        | 0.00045 U | 0.0020 | 0.00045 | mg/l  |   |
| 110-82-7   | Cyclohexane                 | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 75-34-3    | 1,1-Dichloroethane          | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 75-35-4    | 1,1-Dichloroethylene        | 0.00048 U | 0.0020 | 0.00048 | mg/l  |   |
| 563-58-6   | 1,1-Dichloropropene         | 0.00035 U | 0.0020 | 0.00035 | mg/l  |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 0.0011 U  | 0.0020 | 0.0011  | mg/l  |   |
| 106-93-4   | 1,2-Dibromoethane           | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 107-06-2   | 1,2-Dichloroethane          | 0.00050 U | 0.0020 | 0.00050 | mg/l  |   |
| 78-87-5    | 1,2-Dichloropropane         | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 142-28-9   | 1,3-Dichloropropane         | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 123-91-1   | 1,4-Dioxane                 | 0.13 U    | 0.25   | 0.13    | mg/l  |   |
| 594-20-7   | 2,2-Dichloropropane         | 0.00058 U | 0.0020 | 0.00058 | mg/l  |   |
| 124-48-1   | Dibromochloromethane        | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |
| 75-71-8    | Dichlorodifluoromethane     | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | 0.00043 U | 0.0020 | 0.00043 | mg/l  |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |

U = Not detected      SDL - Sample Detection Limit  
 MLQ = Method Quantitation Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

|                   |  |                 |          |
|-------------------|--|-----------------|----------|
| Client Sample ID: | TRIP BLANK                                   | Date Sampled:   | 12/11/07 |
| Lab Sample ID:    | T20073-16                                    | Date Received:  | 12/12/07 |
| Matrix:           | AQ - Trip Blank Water                        | Percent Solids: | n/a      |
| Method:           | SW846 8260B                                  |                 |          |
| Project:          | Falcon Refinery Superfund Site/Ingleside, TX |                 |          |

## SW-846 8260B

| CAS No.    | Compound                  | Result    | MQL    | SDL     | Units | Q |
|------------|---------------------------|-----------|--------|---------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | 0.00036 U | 0.0020 | 0.00036 | mg/l  |   |
| 100-41-4   | Ethylbenzene              | 0.00045 U | 0.0020 | 0.00045 | mg/l  |   |
| 60-29-7    | Ethyl Ether               | 0.0020 U  | 0.0020 | 0.0020  | mg/l  |   |
| 110-54-3   | hexane                    | 0.00061 U | 0.0020 | 0.00061 | mg/l  |   |
| 591-78-6   | 2-Hexanone                | 0.0024 U  | 0.010  | 0.0024  | mg/l  |   |
| 87-68-3    | Hexachlorobutadiene       | 0.0012 U  | 0.0020 | 0.0012  | mg/l  |   |
| 98-82-8    | Isopropylbenzene          | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 99-87-6    | p-Isopropyltoluene        | 0.00040 U | 0.0020 | 0.00040 | mg/l  |   |
| 108-10-1   | 4-Methyl-2-pentanone      | 0.0025 U  | 0.010  | 0.0025  | mg/l  |   |
| 74-83-9    | Methyl bromide            | 0.00054 U | 0.0020 | 0.00054 | mg/l  |   |
| 74-87-3    | Methyl chloride           | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 74-95-3    | Methylene bromide         | 0.00041 U | 0.0020 | 0.00041 | mg/l  |   |
| 75-09-2    | Methylene chloride        | 0.00041 U | 0.0050 | 0.00041 | mg/l  |   |
| 78-93-3    | Methyl ethyl ketone       | 0.0025 U  | 0.010  | 0.0025  | mg/l  |   |
| 103-65-1   | n-Propylbenzene           | 0.00051 U | 0.0020 | 0.00051 | mg/l  |   |
| 100-42-5   | Styrene                   | 0.00035 U | 0.0020 | 0.00035 | mg/l  |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | 0.00037 U | 0.0020 | 0.00037 | mg/l  |   |
| 71-55-6    | 1,1,1-Trichloroethane     | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 79-00-5    | 1,1,2-Trichloroethane     | 0.00044 U | 0.0020 | 0.00044 | mg/l  |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | 0.00043 U | 0.0020 | 0.00043 | mg/l  |   |
| 96-18-4    | 1,2,3-Trichloropropane    | 0.00069 U | 0.0020 | 0.00069 | mg/l  |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | 0.00053 U | 0.0020 | 0.00053 | mg/l  |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | 0.00046 U | 0.0020 | 0.00046 | mg/l  |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | 0.00044 U | 0.0020 | 0.00044 | mg/l  |   |
| 127-18-4   | Tetrachloroethylene       | 0.00050 U | 0.0020 | 0.00050 | mg/l  |   |
| 108-88-3   | Toluene                   | 0.00048 U | 0.0020 | 0.00048 | mg/l  |   |
| 79-01-6    | Trichloroethylene         | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 75-69-4    | Trichlorofluoromethane    | 0.00047 U | 0.0020 | 0.00047 | mg/l  |   |
| 75-01-4    | Vinyl chloride            | 0.00042 U | 0.0020 | 0.00042 | mg/l  |   |
| 108-05-4   | Vinyl Acetate             | 0.0023 U  | 0.010  | 0.0023  | mg/l  |   |
| 1330-20-7  | Xylene (total)            | 0.0014 U  | 0.0060 | 0.0014  | mg/l  |   |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7  | Dibromofluoromethane  | 104%   |        | 76-125% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 98%    |        | 69-128% |
| 2037-26-5  | Toluene-D8            | 112%   |        | 80-121% |
| 460-00-4   | 4-Bromofluorobenzene  | 112%   |        | 69-142% |

U = Not detected      SDL - Sample Detection Limit  
MQL = Method Quantitation Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound



## Misc. Forms

### Custody Documents and Other Forms

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**Includes the following where applicable:**

- Chain of Custody
- LRC Form



# CHAIN OF CUSTODY

10165 Harwin, Suite 150 - Houston, TX 77036 - 713-271-4700 fax: 713-271-4770

|                   |  |                              |  |
|-------------------|--|------------------------------|--|
| FED-EX Tracking # |  | Bottle Order Control #       |  |
| Accutest Quote #  |  | Accutest Job # <b>T20073</b> |  |

  

| Client / Reporting Information                    |  | Project Information  |  | Requested Analyses        |                |                       |            | Matrix Codes      |                   |              |  |
|---|--|--|--|---------------------------|----------------|-----------------------|------------|-------------------|-------------------|--------------|--|
| Company Name<br><b>KLEINFELDER</b>                |  | Project Name / No.<br><b>Falcon Refinery Superfund Site/Ingleside, Texas</b> |  | VOA (8260TCL)             | SVOA (8270TCL) | TAL METALS (80107471) | PCB (8082) | Herbicides (8151) | Pesticides (8081) | Hex Cr       | DW - Drinking Water<br>GW - Ground Water<br>WW - Wastewater<br>SO - Soil<br>SL - Sludge<br>OL - Oil<br>LIQ - Other Liquid<br>SOL - Other Solid |
| Project Contact<br><b>Stephen Halasz</b>          |  | Bill to<br><b>Invoice Attn.</b>  |  |                           |                |                       |            |                   |                   |              |  |
| E-Mail<br><b>shalasz@kleinfelder.com</b>          |  | Address  |  |                           |                |                       |            |                   |                   |              |  |
| Address<br><b>3601 Manor Road</b>                 |  | Address  |  | City<br><b>Austin, TX</b> |                | State<br><b>78723</b> |            | Zip               |                   | LAB USE ONLY |  |
| Phone No.<br><b>512-926-6650</b>                  |  | Fax No.<br><b>78723</b>  |  | Phone No.                 |                | Fax No.               |            |                   |                   |              |  |
| Samplers Name<br><b>PAUL SUPAK, JEREMY HENSON</b> |  | Client Purchase Order #  |  |                           |                |                       |            |                   |                   |              |  |

  

| Accutest Sample # | Field ID / Point of Collection | Collection |      | Matrix | # of bottles | Number of preserved bottles |    |      |      |       |       |       |      |      |               |                |                       | Comments / Remarks |            |                   |                   |        |   |   |  |  |  |
|-------------------|--------------------------------|------------|------|--------|--------------|-----------------------------|----|------|------|-------|-------|-------|------|------|---------------|----------------|-----------------------|--------------------|------------|-------------------|-------------------|--------|---|---|--|--|--|
|                   |                                | Date       | Time |        |              | HC                          | MS | HN03 | HS04 | ENCOR | HN004 | HN004 | MICH | NONE | VOA (8260TCL) | SVOA (8270TCL) | TAL METALS (80107471) |                    | PCB (8082) | Herbicides (8151) | Pesticides (8081) | Hex Cr |   |   |  |  |  |
| 10                | FR-150                         | 12/11/07   | 1:15 | S      | 2            |                             |    |      |      |       |       |       |      |      |               |                | X                     | X                  | X          |                   |                   |        | X |   |  |  |  |
| 11                | FR-151                         | 12/11/07   | 1:12 | W      | 11           | 3                           | 1  |      |      |       |       |       |      |      |               |                | 7                     | X                  | X          | X                 | X                 | X      | X | X |  |  |  |
| 10                | FR-150 ms/msd                  | 12/11/07   | 1:17 | S      | 2            |                             |    |      |      |       |       |       |      |      |               |                | X                     | X                  | X          |                   |                   |        | X |   |  |  |  |
| 12                | FR-152                         | 12/11/07   | 3:00 | S      | 2            |                             |    |      |      |       |       |       |      |      |               |                | X                     | X                  | X          |                   |                   |        | X |   |  |  |  |
| 13                | FR-153                         | 12/11/07   | 3:05 | S      | 2            |                             |    |      |      |       |       |       |      |      |               |                | X                     | X                  | X          |                   |                   |        | X |   |  |  |  |
| 14                | FR-154                         | 12/11/07   | 3:35 | W      | 7            | 3                           | 1  |      |      |       |       |       |      |      |               |                | 3                     | X                  | X          | X                 |                   |        | X |   |  |  |  |
| 15                | TRIP BLANK                     | 12/11/07   |      | W      | 2            | 2                           |    |      |      |       |       |       |      |      |               |                | X                     |                    |            |                   |                   |        |   |   |  |  |  |
| 16                | TRIP BLANK                     | 12/11/07   |      | W      | 2            | 2                           |    |      |      |       |       |       |      |      |               |                | X                     |                    |            |                   |                   |        |   |   |  |  |  |

  

|                            |   |   |   |   |                    |
|----------------------------|---|---|---|---|--------------------|
| Turnaround Time (CAL days) | <input checked="" type="checkbox"/> 12 Day STANDARD<br><input type="checkbox"/> 5 Day RUSH<br><input type="checkbox"/> 4 Day RUSH<br><input type="checkbox"/> 3 Day EMERGENCY<br><input type="checkbox"/> 2 Day EMERGENCY<br><input type="checkbox"/> 1 Day EMERGENCY<br><input type="checkbox"/> Other | Approved By: Date:<br><br><b>12 CAL DAY</b> | <input type="checkbox"/> Commercial "A"<br><input type="checkbox"/> Commercial "B"<br><input type="checkbox"/> Reduced Tier 1<br><input type="checkbox"/> Full Data Package | <input type="checkbox"/> State Forms<br><input type="checkbox"/> EDD Format<br><input checked="" type="checkbox"/> TRRP | Comments / Remarks |
| TRRP REPORTING             |   |   |   |   |                    |

**Real time analytical data available via Lablink**

| SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY |                                      |                                      |  |  |   |
|---|--------------------------------------|--------------------------------------|--|--|---|
| Relinquished by Sampler:<br><b>Paul Supak</b>   | Date Time:<br><b>12/11/07 4:40pm</b> | Received By:<br><b>[Signature]</b>   | Relinquished By:<br><b>[Signature]</b> | Date Time:   | Received By:  |
| Relinquished by:<br><b>[Signature]</b>  | Date Time:                           | Received By:                         | Relinquished By:                       | Date Time:   | Received By:  |
| Relinquished by:<br><b>[Signature]</b>  | Date Time:<br><b>12/12/07</b>        | Received By:<br><b>Carrie Escott</b> | Custody Seal #                         | Preserved where applicable<br><input type="checkbox"/> | On Ice<br><input checked="" type="checkbox"/> Cooler Temp.<br><b>23.3.1</b> |

4.1 4



ACCUTEST

SAMPLE RECEIPT LOG

JOB #: T20073

DATE/TIME RECEIVED: 12/12/14 8:10

CLIENT: Klunfelder

INITIALS: CNE

- Condition/Variance (Circle "Y" for yes and "N" for no or NA. If "N" is circled, see variance for explanation):
- 1.  N Sample received in undamaged condition.
  - 2.  N Samples received within temp. range.
  - 3.  N Sample received with proper pH.
  - 4.  N Sample received in proper containers.
  - 5.  N Sample volume sufficient for analysis.
  - 6.  N Sample received with chain of custody.
  - 7.  N Chain of Custody matches sample IDs and analysis on containers.
  - 8.  N Samples Headspace acceptable
  - 9. Y N (NA) Custody seal received intact and tamper not evident on cooler.
  - 10. Y N (NA) Custody seal received intact and tamper not evident on bottles.

| SAMPLE or FIELD ID | BOTTLE # | DATE SAMPLED | MATRIX | VOLUME | LOCATION | PRESERV.    | PH             |
|--------------------|----------|--------------|--------|--------|----------|-------------|----------------|
| 1 + 10             | 1-2      | 12/11/14     | SO     | 4oz    | VREF     | 1,2,3,4,5,6 | U, <2, >12, NA |
| ↓                  | 3-4      | ↓            | ↓      | 8oz    | IEE      | 1,2,3,4,5,6 | U, <2, >12, NA |
| 2-4, 6, 8          | 1        | ↓            | ↓      | 4oz    | VREF     | 1,2,3,4,5,6 | U, <2, >12, NA |
| ↓                  | 2        | ↓            | ↓      | 8oz    | IEE      | 1,2,3,4,5,6 | U, <2, >12, NA |
| 5, 7, 14           | 1-3      | ↓            | AQ     | 40mL   | VREF     | 1,2,3,4,5,6 | U, <2, >12, NA |
| ↓                  | 4        | ↓            | ↓      | P500   | IEE      | 1,2,3,4,5,6 | U, <2, >12, NA |
| ↓                  | 5        | ↓            | ↓      | ↓      | ↓        | 1,2,3,4,5,6 | U, <2, >12, NA |
| ↓                  | 6-7      | ↓            | ↓      | A1000  | ↓        | 1,2,3,4,5,6 | U, <2, >12, NA |
| 9 + 11             | 1-3      | ↓            | ↓      | 40mL   | VREF     | 1,2,3,4,5,6 | U, <2, >12, NA |
| ↓                  | 4        | ↓            | ↓      | P500   | IEE      | 1,2,3,4,5,6 | U, <2, >12, NA |
| ↓                  | 5        | ↓            | ↓      | ↓      | ↓        | 1,2,3,4,5,6 | U, <2, >12, NA |
| ↓                  | 6-11     | ↓            | ↓      | A1000  | ↓        | 1,2,3,4,5,6 | U, <2, >12, NA |
| 12-13              | 1        | ↓            | SO     | 4oz    | VREF     | 1,2,3,4,5,6 | U, <2, >12, NA |
| ↓                  | 2        | ↓            | ↓      | 8oz    | IEE      | 1,2,3,4,5,6 | U, <2, >12, NA |
| 15-16              | 1-2      | ↓            | TBAQ   | 40mL   | VREF     | 1,2,3,4,5,6 | U, <2, >12, NA |
| CNE 12/12/14       |          |              |        |        |          | 1,2,3,4,5,6 | U, <2, >12, NA |

LOCATION: WI: Walk-In VR: Volatile Refrig. SUB: Subcontract EF: Encore Freezer

PRESERVATIVES: 1: None 2: HCL 3: HNO3 4: H2SO4 5: NAOH 6: Other

Comments:

pH of waters checked excluding volatiles

pH of soils N/A

Delivery method: Courier: Accutest

COOLER TEMP: 2.3 COOLER TEMP: 3.1  
COOLER TEMP: COOLER TEMP:

Form: SM012, Rev.07/28/06, QAO

T20073: Chain of Custody  
Page 3 of 3

# Appendix A Laboratory Data Package Cover Page

This data package consists of:

- This signature page, the laboratory review checklist, and the following reportable data:
- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
- R10 Other problems or anomalies.
- The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

**Release Statement:** I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By me signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

**Check, if applicable:**  This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Ron Martino



Lab Director

12/31/2007

Name (Printed)

Signature

Official Title (printed)

Date

1. Items identified by the letter “R” must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter “S” should be retained and made available upon request for the appropriate retention period.

| <b>Appendix A (cont'd): Laboratory Review Checklist: Reportable Data</b> |                |   |                               |    |                 |                 |                  |
|--|----------------|---|-------------------------------|----|-----------------|-----------------|------------------|
| Laboratory Name: Accutest Laboratories Gulf Coast                        |                |   | LRC Date: 12/31/2007          |    |                 |                 |                  |
| Project Name: Falcon Refinery Superfund Site                             |                |   | Laboratory Job Number: T20073 |    |                 |                 |                  |
| Reviewer Name: Ron Martino   |                |   | Prep Batch Number(s):         |    |                 |                 |                  |
| # <sup>1</sup>   | A <sup>2</sup> | Description   | Yes                           | No | NA <sup>3</sup> | NR <sup>4</sup> | ER# <sup>5</sup> |
| R1   | OI             | <b>Chain-of-custody (C-O-C)</b>   |                               |    |                 |                 |                  |
|  |                | Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?                                   | X                             |    |                 |                 |                  |
|  |                | Were all departures from standard conditions described in an exception report?  | X                             |    |                 |                 |                  |
| R2   | OI             | <b>Sample and quality control (QC) identification</b>   |                               |    |                 |                 |                  |
|  |                | Are all field sample ID numbers cross-referenced to the laboratory ID numbers?  | X                             |    |                 |                 |                  |
|  |                | Are all laboratory ID numbers cross-referenced to the corresponding QC data?  | X                             |    |                 |                 |                  |
| R3   | OI             | <b>Test reports</b>   |                               |    |                 |                 |                  |
|  |                | Were all samples prepared and analyzed within holding times?  | X                             |    |                 |                 |                  |
|  |                | Other than those results < MQL, were all other raw values bracketed by calibration standards?                                 | X                             |    |                 |                 |                  |
|  |                | Were calculations checked by a peer or supervisor?  | X                             |    |                 |                 |                  |
|  |                | Were all analyte identifications checked by a peer or supervisor?   | X                             |    |                 |                 |                  |
|  |                | Were sample quantitation limits reported for all analytes not detected?   | X                             |    |                 |                 |                  |
|  |                | Were all results for soil and sediment samples reported on a dry weight basis?  | X                             |    |                 |                 |                  |
|  |                | Were % moisture (or solids) reported for all soil and sediment samples?   | X                             |    |                 |                 |                  |
| R4   | O              | <b>Surrogate recovery data</b>  |                               |    |                 |                 |                  |
|  |                | Were surrogates added prior to extraction?  | X                             |    |                 |                 |                  |
|  |                | Were surrogate percent recoveries in all samples within the laboratory QC limits?   |                               | X  |                 |                 | 1                |
| R5   | OI             | <b>Test reports/summary forms for blank samples</b>   |                               |    |                 |                 |                  |
|  |                | Were appropriate type(s) of blanks analyzed?  | X                             |    |                 |                 |                  |
|  |                | Were blanks analyzed at the appropriate frequency?  | X                             |    |                 |                 |                  |
|  |                | Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X                             |    |                 |                 |                  |
|  |                | Were blank concentrations < MQL?  | X                             |    |                 |                 |                  |
| R6   | OI             | <b>Laboratory control samples (LCS):</b>  |                               |    |                 |                 |                  |
|  |                | Were all COCs included in the LCS?  | X                             |    |                 |                 |                  |
|  |                | Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?                                 | X                             |    |                 |                 |                  |
|  |                | Were LCSs analyzed at the required frequency?   | X                             |    |                 |                 |                  |
|  |                | Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?   |                               | X  |                 |                 | 1                |
|  |                | Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?    | X                             |    |                 |                 |                  |
| R7   | OI             | <b>Matrix spike (MS) and matrix spike duplicate (MSD) data</b>  |                               |    |                 |                 |                  |
|  |                | Were the project/method specified analytes included in the MS and MSD?  | X                             |    |                 |                 |                  |
|  |                | Were MS/MSD analyzed at the appropriate frequency?  | X                             |    |                 |                 |                  |
|  |                | Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?   |                               | X  |                 |                 | 1                |
|  |                | Were MS/MSD RPDs within laboratory QC limits?   |                               | X  |                 |                 | 1                |
| R8   | OI             | <b>Analytical duplicate data</b>  |                               |    |                 |                 |                  |
|  |                | Were appropriate analytical duplicates analyzed for each matrix?  | X                             |    |                 |                 |                  |
|  |                | Were analytical duplicates analyzed at the appropriate frequency?   | X                             |    |                 |                 |                  |
| R9   | OI             | <b>Method quantitation limits (MQLs):</b>   |                               |    |                 |                 |                  |
|  |                | Are the MQLs for each method analyte included in the laboratory data package?   | X                             |    |                 |                 |                  |
|  |                | Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?                                      | X                             |    |                 |                 |                  |
|  |                | Are unadjusted MQLs included in the laboratory data package?  | X                             |    |                 |                 |                  |
| R10  | OI             | <b>Other problems/anomalies</b>   |                               |    |                 |                 |                  |
|  |                | Are all known problems/anomalies/special conditions noted in this LRC and ER?   | X                             |    |                 |                 |                  |
|  |                | Were all necessary corrective actions performed for the reported data?  | X                             |    |                 |                 |                  |
|  |                | Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results? | X                             |    |                 |                 |                  |

- = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
- NA = Not applicable;
- NR = Not reviewed;
- ER# = Exception Report identification number (an Exception Report should be completed for an item if “NR” or “No” is checked).

| <b>Appendix A (cont'd): Laboratory Review Checklist: Reportable Data</b> |                |  |                               |    |                 |                 |                  |
|--|----------------|--|-------------------------------|----|-----------------|-----------------|------------------|
| Laboratory Name: Accutest Laboratories Gulf Coast                        |                |  | LRC Date: 12/31/2007          |    |                 |                 |                  |
| Project Name: Falcon Refinery Superfund Site                             |                |  | Laboratory Job Number: T20073 |    |                 |                 |                  |
| Reviewer Name: Ron Martino   |                |  | Prep Batch Number(s):         |    |                 |                 |                  |
| # <sup>1</sup>   | A <sup>2</sup> | Description  | Yes                           | No | NA <sup>3</sup> | NR <sup>4</sup> | ER# <sup>5</sup> |
| S1   | OI             | <b>Initial calibration (ICAL)</b>  |                               |    |                 |                 |                  |
|  |                | Were response factors and/or relative response factors for each analyte within QC limits?              | X                             |    |                 |                 |                  |
|  |                | Were percent RSDs or correlation coefficient criteria met?   | X                             |    |                 |                 |                  |
|  |                | Was the number of standards recommended in the method used for all analytes?                           | X                             |    |                 |                 |                  |
|  |                | Were all points generated between the lowest and highest standard used to calculate the curve?         | X                             |    |                 |                 |                  |
|  |                | Are ICAL data available for all instruments used?  | X                             |    |                 |                 |                  |
|  |                | Has the initial calibration curve been verified using an appropriate second source standard?           | X                             |    |                 |                 |                  |
| S2   | OI             | <b>Initial and continuing calibration verification (ICCV and CCV) and continuing calibration</b>       |                               |    |                 |                 |                  |
|  |                | Was the CCV analyzed at the method-required frequency?   | X                             |    |                 |                 |                  |
|  |                | Were percent differences for each analyte within the method-required QC limits?                        | X                             |    |                 |                 |                  |
|  |                | Was the ICAL curve verified for each analyte?  | X                             |    |                 |                 |                  |
|  |                | Was the absolute value of the analyte concentration in the inorganic CCB < MDL?                        | X                             |    |                 |                 |                  |
| S3   | O              | <b>Mass spectral tuning:</b>   |                               |    |                 |                 |                  |
|  |                | Was the appropriate compound for the method used for tuning?   | X                             |    |                 |                 |                  |
|  |                | Were ion abundance data within the method-required QC limits?  | X                             |    |                 |                 |                  |
| S4   | O              | <b>Internal standards (IS):</b>  |                               |    |                 |                 |                  |
|  |                | Were IS area counts and retention times within the method-required QC limits?                          | X                             |    |                 |                 |                  |
| S5   | OI             | <b>Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section</b>        |                               |    |                 |                 |                  |
|  |                | Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?                  | X                             |    |                 |                 |                  |
|  |                | Were data associated with manual integrations flagged on the raw data?                                 | X                             |    |                 |                 |                  |
| S6   | O              | <b>Dual column confirmation</b>  |                               |    |                 |                 |                  |
|  |                | Did dual column confirmation results meet the method-required QC?                                      | X                             |    |                 |                 |                  |
| S7   | O              | <b>Tentatively identified compounds (TICs):</b>  |                               |    |                 |                 |                  |
|  |                | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?              |                               |    | X               |                 |                  |
| S8   | I              | <b>Interference Check Sample (ICS) results:</b>  |                               |    |                 |                 |                  |
|  |                | Were percent recoveries within method QC limits?   | X                             |    |                 |                 |                  |
| S9   | I              | <b>Serial dilutions, post digestion spikes, and method of standard additions</b>                       |                               |    |                 |                 |                  |
|  |                | Were percent differences, recoveries, and the linearity within the QC limits specified in the method?  |                               | X  |                 |                 | 1                |
| S10  | OI             | <b>Method detection limit (MDL) studies</b>  |                               |    |                 |                 |                  |
|  |                | Was a MDL study performed for each reported analyte?   | X                             |    |                 |                 |                  |
|  |                | Is the MDL either adjusted or supported by the analysis of DCSs?                                       | X                             |    |                 |                 |                  |
| S11  | OI             | <b>Proficiency test reports:</b>   |                               |    |                 |                 |                  |
|  |                | Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies? | X                             |    |                 |                 |                  |
| S12  | OI             | <b>Standards documentation</b>   |                               |    |                 |                 |                  |
|  |                | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?      | X                             |    |                 |                 |                  |
| S13  | OI             | <b>Compound/analyte identification procedures</b>  |                               |    |                 |                 |                  |
|  |                | Are the procedures for compound/analyte identification documented?                                     | X                             |    |                 |                 |                  |
| S16  | OI             | <b>Demonstration of analyst competency (DOC)</b>   |                               |    |                 |                 |                  |
|  |                | Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?                                       | X                             |    |                 |                 |                  |
|  |                | Is documentation of the analyst's competency up-to-date and on file?                                   | X                             |    |                 |                 |                  |
| S15  | OI             | <b>Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)</b>     |                               |    |                 |                 |                  |
|  |                | Are all the methods used to generate the data documented, verified, and validated, where applicable?   | X                             |    |                 |                 |                  |
| S16  | OI             | <b>Laboratory standard operating procedures (SOPs):</b>  |                               |    |                 |                 |                  |
|  |                | Are laboratory SOPs current and on file for each method performed?                                     | X                             |    |                 |                 |                  |

- 1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
- 2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
- 3 NA = Not applicable.
- 4 NR = Not Reviewed.
- 5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

| <b>Appendix A (cont'd): Laboratory Review Checklist: Exception Reports</b> |  |
|--|--|
| Laboratory Name: Accutest Laboratories Gulf Coast                          |  |
| LRC Date: 12/31/2007   |  |
| Project Name: Falcon Refinery Superfund Site                               |  |
| Laboratory Job Number: T20073  |  |
| Reviewer Name: Ron Martino   |  |
| Prep Batch Number(s):  |  |
| ER # <sup>1</sup>  | DESCRIPTION  |
| 1  | All anomalies are discussed in the case narrative. |
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ER# = Exception Report identification number (an Exception Report should be completed for an item if “NR” or “No” is checked on the LRC)



## GC/MS Volatiles

5

### QC Data Summaries

---

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

# Method Blank Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|------------|----|----------|----|-----------|------------|------------------|
| VY1521-MB | Y0018608.D | 1  | 12/13/07 | LJ | n/a       | n/a        | VY1521           |

The QC reported here applies to the following samples:

Method: SW846 8260B

T20073-5, T20073-7, T20073-9, T20073-11, T20073-14, T20073-15, T20073-16

| CAS No.    | Compound                    | Result | RL  | MDL  | Units | Q |
|------------|-----------------------------|--------|-----|------|-------|---|
| 67-64-1    | Acetone                     | ND     | 50  | 2.6  | ug/l  |   |
| 71-43-2    | Benzene                     | ND     | 2.0 | 0.46 | ug/l  |   |
| 108-86-1   | Bromobenzene                | ND     | 2.0 | 0.42 | ug/l  |   |
| 74-97-5    | Bromochloromethane          | ND     | 2.0 | 0.49 | ug/l  |   |
| 75-27-4    | Bromodichloromethane        | ND     | 2.0 | 0.42 | ug/l  |   |
| 75-25-2    | Bromoform                   | ND     | 2.0 | 1.4  | ug/l  |   |
| 71-36-3    | n-Butyl Alcohol             | ND     | 20  | 20   | ug/l  |   |
| 104-51-8   | n-Butylbenzene              | ND     | 2.0 | 0.55 | ug/l  |   |
| 98-06-6    | tert-Butylbenzene           | ND     | 2.0 | 0.83 | ug/l  |   |
| 108-90-7   | Chlorobenzene               | ND     | 2.0 | 0.42 | ug/l  |   |
| 75-00-3    | Chloroethane                | ND     | 2.0 | 0.39 | ug/l  |   |
| 67-66-3    | Chloroform                  | ND     | 2.0 | 0.54 | ug/l  |   |
| 95-49-8    | o-Chlorotoluene             | ND     | 2.0 | 0.38 | ug/l  |   |
| 106-43-4   | p-Chlorotoluene             | ND     | 2.0 | 0.50 | ug/l  |   |
| 75-15-0    | Carbon disulfide            | ND     | 2.0 | 0.51 | ug/l  |   |
| 56-23-5    | Carbon tetrachloride        | ND     | 2.0 | 0.45 | ug/l  |   |
| 110-82-7   | Cyclohexane                 | ND     | 2.0 | 0.53 | ug/l  |   |
| 75-34-3    | 1,1-Dichloroethane          | ND     | 2.0 | 0.41 | ug/l  |   |
| 75-35-4    | 1,1-Dichloroethylene        | ND     | 2.0 | 0.48 | ug/l  |   |
| 563-58-6   | 1,1-Dichloropropene         | ND     | 2.0 | 0.35 | ug/l  |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | ND     | 2.0 | 1.1  | ug/l  |   |
| 106-93-4   | 1,2-Dibromoethane           | ND     | 2.0 | 0.47 | ug/l  |   |
| 107-06-2   | 1,2-Dichloroethane          | ND     | 2.0 | 0.50 | ug/l  |   |
| 78-87-5    | 1,2-Dichloropropane         | ND     | 2.0 | 0.53 | ug/l  |   |
| 142-28-9   | 1,3-Dichloropropane         | ND     | 2.0 | 0.41 | ug/l  |   |
| 123-91-1   | 1,4-Dioxane                 | ND     | 50  | 130  | ug/l  |   |
| 594-20-7   | 2,2-Dichloropropane         | ND     | 2.0 | 0.58 | ug/l  |   |
| 124-48-1   | Dibromochloromethane        | ND     | 2.0 | 0.46 | ug/l  |   |
| 75-71-8    | Dichlorodifluoromethane     | ND     | 2.0 | 0.53 | ug/l  |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | ND     | 2.0 | 0.43 | ug/l  |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     | 2.0 | 0.53 | ug/l  |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | ND     | 2.0 | 0.46 | ug/l  |   |
| 10061-02-6 | trans-1,3-Dichloropropene   | ND     | 2.0 | 0.36 | ug/l  |   |
| 100-41-4   | Ethylbenzene                | ND     | 2.0 | 0.45 | ug/l  |   |
| 60-29-7    | Ethyl Ether                 | ND     | 2.0 | 2.0  | ug/l  |   |
| 110-54-3   | hexane                      | ND     | 2.0 | 0.61 | ug/l  |   |

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# Method Blank Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|------------|----|----------|----|-----------|------------|------------------|
| VY1521-MB | Y0018608.D | 1  | 12/13/07 | LJ | n/a       | n/a        | VY1521           |

The QC reported here applies to the following samples:

Method: SW846 8260B

T20073-5, T20073-7, T20073-9, T20073-11, T20073-14, T20073-15, T20073-16

| CAS No.   | Compound                  | Result | RL  | MDL  | Units | Q |
|-----------|---------------------------|--------|-----|------|-------|---|
| 591-78-6  | 2-Hexanone                | ND     | 10  | 2.4  | ug/l  |   |
| 87-68-3   | Hexachlorobutadiene       | ND     | 2.0 | 1.2  | ug/l  |   |
| 98-82-8   | Isopropylbenzene          | ND     | 2.0 | 0.41 | ug/l  |   |
| 99-87-6   | p-Isopropyltoluene        | ND     | 2.0 | 0.40 | ug/l  |   |
| 108-10-1  | 4-Methyl-2-pentanone      | ND     | 10  | 2.5  | ug/l  |   |
| 74-83-9   | Methyl bromide            | ND     | 2.0 | 0.54 | ug/l  |   |
| 74-87-3   | Methyl chloride           | ND     | 2.0 | 0.42 | ug/l  |   |
| 74-95-3   | Methylene bromide         | ND     | 2.0 | 0.41 | ug/l  |   |
| 75-09-2   | Methylene chloride        | ND     | 5.0 | 0.41 | ug/l  |   |
| 78-93-3   | Methyl ethyl ketone       | ND     | 10  | 2.5  | ug/l  |   |
| 103-65-1  | n-Propylbenzene           | ND     | 2.0 | 0.51 | ug/l  |   |
| 100-42-5  | Styrene                   | ND     | 2.0 | 0.35 | ug/l  |   |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | ND     | 2.0 | 0.37 | ug/l  |   |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 2.0 | 0.47 | ug/l  |   |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 2.0 | 0.42 | ug/l  |   |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 2.0 | 0.44 | ug/l  |   |
| 87-61-6   | 1,2,3-Trichlorobenzene    | ND     | 2.0 | 0.43 | ug/l  |   |
| 96-18-4   | 1,2,3-Trichloropropane    | ND     | 2.0 | 0.69 | ug/l  |   |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 2.0 | 0.53 | ug/l  |   |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 2.0 | 0.46 | ug/l  |   |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 2.0 | 0.44 | ug/l  |   |
| 127-18-4  | Tetrachloroethylene       | ND     | 2.0 | 0.50 | ug/l  |   |
| 108-88-3  | Toluene                   | ND     | 2.0 | 0.48 | ug/l  |   |
| 79-01-6   | Trichloroethylene         | ND     | 2.0 | 0.47 | ug/l  |   |
| 75-69-4   | Trichlorofluoromethane    | ND     | 2.0 | 0.47 | ug/l  |   |
| 75-01-4   | Vinyl chloride            | ND     | 2.0 | 0.42 | ug/l  |   |
| 108-05-4  | Vinyl Acetate             | ND     | 10  | 2.3  | ug/l  |   |
| 1330-20-7 | Xylene (total)            | ND     | 6.0 |      | ug/l  |   |

| CAS No.    | Surrogate Recoveries  | Limits |         |
|------------|-----------------------|--------|---------|
| 1868-53-7  | Dibromofluoromethane  | 112%   | 76-125% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 106%   | 69-128% |
| 2037-26-5  | Toluene-D8            | 110%   | 80-121% |
| 460-00-4   | 4-Bromofluorobenzene  | 108%   | 69-142% |

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# Method Blank Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample  | File ID      | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---------|--------------|----|----------|----|-----------|------------|------------------|
| VM52-MB | M0001275.D 1 |    | 12/17/07 | LJ | n/a       | n/a        | VM52             |

The QC reported here applies to the following samples:

Method: SW846 8260B

T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8, T20073-10, T20073-12, T20073-13

| CAS No.    | Compound                    | Result | RL  | MDL  | Units | Q |
|------------|-----------------------------|--------|-----|------|-------|---|
| 67-64-1    | Acetone                     | ND     | 50  | 7.2  | ug/kg |   |
| 71-43-2    | Benzene                     | ND     | 5.0 | 1.4  | ug/kg |   |
| 108-86-1   | Bromobenzene                | ND     | 5.0 | 1.3  | ug/kg |   |
| 74-97-5    | Bromochloromethane          | ND     | 5.0 | 1.4  | ug/kg |   |
| 75-27-4    | Bromodichloromethane        | ND     | 5.0 | 1.4  | ug/kg |   |
| 75-25-2    | Bromoform                   | ND     | 5.0 | 1.2  | ug/kg |   |
| 71-36-3    | n-Butyl Alcohol             | ND     | 50  | 50   | ug/kg |   |
| 104-51-8   | n-Butylbenzene              | ND     | 5.0 | 0.97 | ug/kg |   |
| 98-06-6    | tert-Butylbenzene           | ND     | 5.0 | 1.0  | ug/kg |   |
| 108-90-7   | Chlorobenzene               | ND     | 5.0 | 1.4  | ug/kg |   |
| 75-00-3    | Chloroethane                | ND     | 5.0 | 1.4  | ug/kg |   |
| 67-66-3    | Chloroform                  | ND     | 5.0 | 1.3  | ug/kg |   |
| 95-49-8    | o-Chlorotoluene             | ND     | 5.0 | 1.2  | ug/kg |   |
| 106-43-4   | p-Chlorotoluene             | ND     | 5.0 | 1.1  | ug/kg |   |
| 75-15-0    | Carbon disulfide            | ND     | 10  | 1.3  | ug/kg |   |
| 56-23-5    | Carbon tetrachloride        | ND     | 5.0 | 1.1  | ug/kg |   |
| 110-82-7   | Cyclohexane                 | ND     | 5.0 | 1.2  | ug/kg |   |
| 75-34-3    | 1,1-Dichloroethane          | ND     | 5.0 | 1.3  | ug/kg |   |
| 75-35-4    | 1,1-Dichloroethylene        | ND     | 5.0 | 1.3  | ug/kg |   |
| 563-58-6   | 1,1-Dichloropropene         | ND     | 5.0 | 1.2  | ug/kg |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | ND     | 5.0 | 1.4  | ug/kg |   |
| 106-93-4   | 1,2-Dibromoethane           | ND     | 5.0 | 1.4  | ug/kg |   |
| 107-06-2   | 1,2-Dichloroethane          | ND     | 5.0 | 1.4  | ug/kg |   |
| 78-87-5    | 1,2-Dichloropropane         | ND     | 5.0 | 1.5  | ug/kg |   |
| 142-28-9   | 1,3-Dichloropropane         | ND     | 5.0 | 1.4  | ug/kg |   |
| 123-91-1   | 1,4-Dioxane                 | ND     | 250 | 24   | ug/kg |   |
| 594-20-7   | 2,2-Dichloropropane         | ND     | 5.0 | 1.1  | ug/kg |   |
| 124-48-1   | Dibromochloromethane        | ND     | 5.0 | 1.4  | ug/kg |   |
| 75-71-8    | Dichlorodifluoromethane     | ND     | 5.0 | 1.1  | ug/kg |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | ND     | 5.0 | 1.4  | ug/kg |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     | 5.0 | 1.3  | ug/kg |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | ND     | 5.0 | 1.3  | ug/kg |   |
| 10061-02-6 | trans-1,3-Dichloropropene   | ND     | 5.0 | 1.4  | ug/kg |   |
| 100-41-4   | Ethylbenzene                | ND     | 5.0 | 1.3  | ug/kg |   |
| 60-29-7    | Ethyl Ether                 | ND     | 5.0 | 5.0  | ug/kg |   |
| 110-54-3   | Hexane                      | ND     | 5.0 | 1.1  | ug/kg |   |

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## Method Blank Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample  | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---------|------------|----|----------|----|-----------|------------|------------------|
| VM52-MB | M0001275.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |

The QC reported here applies to the following samples:

Method: SW846 8260B

T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8, T20073-10, T20073-12, T20073-13

| CAS No.   | Compound                  | Result | RL  | MDL | Units | Q |
|-----------|---------------------------|--------|-----|-----|-------|---|
| 591-78-6  | 2-Hexanone                | ND     | 50  | 6.8 | ug/kg |   |
| 87-68-3   | Hexachlorobutadiene       | ND     | 5.0 | 1.2 | ug/kg |   |
| 98-82-8   | Isopropylbenzene          | ND     | 5.0 | 1.2 | ug/kg |   |
| 99-87-6   | p-Isopropyltoluene        | ND     | 5.0 | 1.2 | ug/kg |   |
| 108-10-1  | 4-Methyl-2-pentanone      | ND     | 50  | 7.0 | ug/kg |   |
| 74-83-9   | Methyl bromide            | ND     | 5.0 | 1.5 | ug/kg |   |
| 74-87-3   | Methyl chloride           | ND     | 5.0 | 1.5 | ug/kg |   |
| 74-95-3   | Methylene bromide         | ND     | 5.0 | 2.0 | ug/kg |   |
| 75-09-2   | Methylene chloride        | ND     | 10  | 2.5 | ug/kg |   |
| 78-93-3   | Methyl ethyl ketone       | ND     | 50  | 6.7 | ug/kg |   |
| 103-65-1  | n-Propylbenzene           | ND     | 5.0 | 1.1 | ug/kg |   |
| 100-42-5  | Styrene                   | ND     | 5.0 | 1.3 | ug/kg |   |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | ND     | 5.0 | 1.4 | ug/kg |   |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 5.0 | 1.2 | ug/kg |   |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 5.0 | 1.4 | ug/kg |   |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 5.0 | 1.4 | ug/kg |   |
| 87-61-6   | 1,2,3-Trichlorobenzene    | ND     | 5.0 | 1.2 | ug/kg |   |
| 96-18-4   | 1,2,3-Trichloropropane    | ND     | 5.0 | 1.4 | ug/kg |   |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 5.0 | 1.0 | ug/kg |   |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 5.0 | 1.1 | ug/kg |   |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 5.0 | 1.1 | ug/kg |   |
| 127-18-4  | Tetrachloroethylene       | ND     | 5.0 | 1.3 | ug/kg |   |
| 108-88-3  | Toluene                   | ND     | 5.0 | 1.3 | ug/kg |   |
| 79-01-6   | Trichloroethylene         | ND     | 5.0 | 1.3 | ug/kg |   |
| 75-69-4   | Trichlorofluoromethane    | ND     | 5.0 | 1.0 | ug/kg |   |
| 75-01-4   | Vinyl chloride            | ND     | 5.0 | 1.4 | ug/kg |   |
| 108-05-4  | Vinyl Acetate             | ND     | 25  | 7.6 | ug/kg |   |
| 1330-20-7 | Xylene (total)            | ND     | 15  | 3.8 | ug/kg |   |

| CAS No.    | Surrogate Recoveries  | Limits |         |
|------------|-----------------------|--------|---------|
| 1868-53-7  | Dibromofluoromethane  | 111%   | 68-127% |
| 2037-26-5  | Toluene-D8            | 116%   | 76-139% |
| 460-00-4   | 4-Bromofluorobenzene  | 117%   | 68-167% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 96%    | 56-121% |

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# Blank Spike Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|------------|----|----------|----|-----------|------------|------------------|
| VY1521-BS | Y0018606.D | 1  | 12/13/07 | LJ | n/a       | n/a        | VY1521           |

The QC reported here applies to the following samples:

Method: SW846 8260B

T20073-5, T20073-7, T20073-9, T20073-11, T20073-14, T20073-15, T20073-16

| CAS No.    | Compound                    | Spike ug/l | BSP ug/l | BSP % | Limits              |
|------------|-----------------------------|------------|----------|-------|---------------------|
| 67-64-1    | Acetone                     | 125        | 135      | 108   | 46-148              |
| 71-43-2    | Benzene                     | 25         | 21.9     | 88    | 73-121              |
| 108-86-1   | Bromobenzene                | 25         | 22.2     | 89    | 72-116              |
| 74-97-5    | Bromochloromethane          | 25         | 22.3     | 89    | 67-118              |
| 75-27-4    | Bromodichloromethane        | 25         | 19.9     | 80    | 69-119              |
| 75-25-2    | Bromoform                   | 25         | 23.5     | 94    | 58-117              |
| 71-36-3    | n-Butyl Alcohol             | 250        | 241      | 96    | 50-150 <sup>a</sup> |
| 104-51-8   | n-Butylbenzene              | 25         | 21.3     | 85    | 67-126              |
| 98-06-6    | tert-Butylbenzene           | 25         | 21.4     | 86    | 70-124              |
| 108-90-7   | Chlorobenzene               | 25         | 21.4     | 86    | 76-113              |
| 75-00-3    | Chloroethane                | 25         | 24.4     | 98    | 68-138              |
| 67-66-3    | Chloroform                  | 25         | 22.4     | 90    | 71-118              |
| 95-49-8    | o-Chlorotoluene             | 25         | 20.1     | 80    | 72-120              |
| 106-43-4   | p-Chlorotoluene             | 25         | 19.8     | 79    | 72-120              |
| 75-15-0    | Carbon disulfide            | 25         | 24.1     | 96    | 52-132              |
| 56-23-5    | Carbon tetrachloride        | 25         | 25.0     | 100   | 71-132              |
| 110-82-7   | Cyclohexane                 | 25         | 25.1     | 100   | 71-134              |
| 75-34-3    | 1,1-Dichloroethane          | 25         | 23.1     | 92    | 71-123              |
| 75-35-4    | 1,1-Dichloroethylene        | 25         | 23.6     | 94    | 65-132              |
| 563-58-6   | 1,1-Dichloropropene         | 25         | 24.4     | 98    | 75-131              |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 25         | 24.7     | 99    | 40-137              |
| 106-93-4   | 1,2-Dibromoethane           | 25         | 21.7     | 87    | 68-117              |
| 107-06-2   | 1,2-Dichloroethane          | 25         | 22.3     | 89    | 66-122              |
| 78-87-5    | 1,2-Dichloropropane         | 25         | 21.0     | 84    | 71-119              |
| 142-28-9   | 1,3-Dichloropropane         | 25         | 20.2     | 81    | 69-117              |
| 123-91-1   | 1,4-Dioxane                 | 500        | 542      | 108   | 35-154              |
| 594-20-7   | 2,2-Dichloropropane         | 25         | 23.2     | 93    | 61-137              |
| 124-48-1   | Dibromochloromethane        | 25         | 22.0     | 88    | 68-116              |
| 75-71-8    | Dichlorodifluoromethane     | 25         | 25.7     | 103   | 34-165              |
| 156-59-2   | cis-1,2-Dichloroethylene    | 25         | 21.2     | 85    | 70-117              |
| 10061-01-5 | cis-1,3-Dichloropropene     | 25         | 21.2     | 85    | 69-122              |
| 156-60-5   | trans-1,2-Dichloroethylene  | 25         | 22.7     | 91    | 71-127              |
| 10061-02-6 | trans-1,3-Dichloropropene   | 25         | 22.3     | 89    | 70-127              |
| 100-41-4   | Ethylbenzene                | 25         | 21.4     | 86    | 75-117              |
| 60-29-7    | Ethyl Ether                 | 25         | 23.9     | 96    | 50-150 <sup>a</sup> |
| 110-54-3   | hexane                      | 25         | 25.3     | 101   | 56-139              |

5.2  
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# Blank Spike Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|------------|----|----------|----|-----------|------------|------------------|
| VY1521-BS | Y0018606.D | 1  | 12/13/07 | LJ | n/a       | n/a        | VY1521           |

The QC reported here applies to the following samples:

Method: SW846 8260B

T20073-5, T20073-7, T20073-9, T20073-11, T20073-14, T20073-15, T20073-16

| CAS No.   | Compound                  | Spike ug/l | BSP ug/l | BSP % | Limits |
|-----------|---------------------------|------------|----------|-------|--------|
| 591-78-6  | 2-Hexanone                | 125        | 128      | 102   | 42-137 |
| 87-68-3   | Hexachlorobutadiene       | 25         | 25.6     | 102   | 60-135 |
| 98-82-8   | Isopropylbenzene          | 25         | 22.0     | 88    | 72-129 |
| 99-87-6   | p-Isopropyltoluene        | 25         | 22.5     | 90    | 73-123 |
| 108-10-1  | 4-Methyl-2-pentanone      | 125        | 134      | 107   | 53-134 |
| 74-83-9   | Methyl bromide            | 25         | 18.1     | 72    | 58-133 |
| 74-87-3   | Methyl chloride           | 25         | 24.3     | 97    | 55-143 |
| 74-95-3   | Methylene bromide         | 25         | 21.9     | 88    | 66-121 |
| 75-09-2   | Methylene chloride        | 25         | 20.6     | 82    | 60-124 |
| 78-93-3   | Methyl ethyl ketone       | 125        | 131      | 105   | 49-135 |
| 103-65-1  | n-Propylbenzene           | 25         | 20.5     | 82    | 72-124 |
| 100-42-5  | Styrene                   | 25         | 19.5     | 78    | 67-114 |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | 25         | 21.7     | 87    | 73-113 |
| 71-55-6   | 1,1,1-Trichloroethane     | 25         | 24.3     | 97    | 71-128 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | 25         | 21.5     | 86    | 62-124 |
| 79-00-5   | 1,1,2-Trichloroethane     | 25         | 21.2     | 85    | 68-117 |
| 87-61-6   | 1,2,3-Trichlorobenzene    | 25         | 26.9     | 108   | 39-144 |
| 96-18-4   | 1,2,3-Trichloropropane    | 25         | 20.5     | 82    | 59-121 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | 25         | 25.5     | 102   | 49-129 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | 25         | 20.5     | 82    | 73-119 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | 25         | 20.9     | 84    | 72-122 |
| 127-18-4  | Tetrachloroethylene       | 25         | 25.5     | 102   | 74-123 |
| 108-88-3  | Toluene                   | 25         | 22.0     | 88    | 75-119 |
| 79-01-6   | Trichloroethylene         | 25         | 22.7     | 91    | 72-123 |
| 75-69-4   | Trichlorofluoromethane    | 25         | 26.0     | 104   | 53-161 |
| 75-01-4   | Vinyl chloride            | 25         | 21.8     | 87    | 62-150 |
| 108-05-4  | Vinyl Acetate             | 125        | 117      | 94    | 21-150 |
| 1330-20-7 | Xylene (total)            | 75         | 64.0     | 85    | 75-118 |

| CAS No.    | Surrogate Recoveries  | BSP  | Limits  |
|------------|-----------------------|------|---------|
| 1868-53-7  | Dibromofluoromethane  | 120% | 76-125% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 117% | 69-128% |
| 2037-26-5  | Toluene-D8            | 113% | 80-121% |
| 460-00-4   | 4-Bromofluorobenzene  | 103% | 69-142% |

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# Blank Spike Summary

Job Number: T20073  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|------------|----|----------|----|-----------|------------|------------------|
| VY1521-BS | Y0018606.D | 1  | 12/13/07 | LJ | n/a       | n/a        | VY1521           |

The QC reported here applies to the following samples:

Method: SW846 8260B

T20073-5, T20073-7, T20073-9, T20073-11, T20073-14, T20073-15, T20073-16

(a) Advisory control limits.

5.2  
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# Blank Spike Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample  | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---------|------------|----|----------|----|-----------|------------|------------------|
| VM52-BS | M0001273.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |

The QC reported here applies to the following samples:

Method: SW846 8260B

T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8, T20073-10, T20073-12, T20073-13

| CAS No.    | Compound                    | Spike<br>ug/kg | BSP<br>ug/kg | BSP<br>% | Limits              |
|------------|-----------------------------|----------------|--------------|----------|---------------------|
| 67-64-1    | Acetone                     | 250            | 237          | 95       | 58-157              |
| 71-43-2    | Benzene                     | 50             | 47.3         | 95       | 74-121              |
| 108-86-1   | Bromobenzene                | 50             | 47.4         | 95       | 74-123              |
| 74-97-5    | Bromochloromethane          | 50             | 47.6         | 95       | 76-120              |
| 75-27-4    | Bromodichloromethane        | 50             | 44.9         | 90       | 77-120              |
| 75-25-2    | Bromoform                   | 50             | 48.1         | 96       | 76-124              |
| 71-36-3    | n-Butyl Alcohol             | 500            | 465          | 93       | 50-150 <sup>a</sup> |
| 104-51-8   | n-Butylbenzene              | 50             | 47.4         | 95       | 70-137              |
| 98-06-6    | tert-Butylbenzene           | 50             | 49.1         | 98       | 71-127              |
| 108-90-7   | Chlorobenzene               | 50             | 46.3         | 93       | 79-119              |
| 75-00-3    | Chloroethane                | 50             | 50.5         | 101      | 56-139              |
| 67-66-3    | Chloroform                  | 50             | 46.5         | 93       | 74-119              |
| 95-49-8    | o-Chlorotoluene             | 50             | 47.4         | 95       | 70-126              |
| 106-43-4   | p-Chlorotoluene             | 50             | 47.7         | 95       | 73-126              |
| 75-15-0    | Carbon disulfide            | 50             | 41.6         | 83       | 42-137              |
| 56-23-5    | Carbon tetrachloride        | 50             | 45.0         | 90       | 63-129              |
| 110-82-7   | Cyclohexane                 | 50             | 43.3         | 87       | 56-137              |
| 75-34-3    | 1,1-Dichloroethane          | 50             | 46.5         | 93       | 71-123              |
| 75-35-4    | 1,1-Dichloroethylene        | 50             | 39.5         | 79       | 57-132              |
| 563-58-6   | 1,1-Dichloropropene         | 50             | 43.7         | 87       | 69-131              |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 50             | 46.3         | 93       | 56-148              |
| 106-93-4   | 1,2-Dibromoethane           | 50             | 47.3         | 95       | 81-119              |
| 107-06-2   | 1,2-Dichloroethane          | 50             | 44.4         | 89       | 75-122              |
| 78-87-5    | 1,2-Dichloropropane         | 50             | 46.9         | 94       | 75-121              |
| 142-28-9   | 1,3-Dichloropropane         | 50             | 46.3         | 93       | 76-121              |
| 123-91-1   | 1,4-Dioxane                 | 1000           | 1070         | 107      | 59-155              |
| 594-20-7   | 2,2-Dichloropropane         | 50             | 44.8         | 90       | 64-134              |
| 124-48-1   | Dibromochloromethane        | 50             | 47.5         | 95       | 81-119              |
| 75-71-8    | Dichlorodifluoromethane     | 50             | 37.5         | 75       | 20-170              |
| 156-59-2   | cis-1,2-Dichloroethylene    | 50             | 51.2         | 102      | 74-119              |
| 10061-01-5 | cis-1,3-Dichloropropene     | 50             | 51.1         | 102      | 80-126              |
| 156-60-5   | trans-1,2-Dichloroethylene  | 50             | 43.6         | 87       | 69-129              |
| 10061-02-6 | trans-1,3-Dichloropropene   | 50             | 48.5         | 97       | 82-136              |
| 100-41-4   | Ethylbenzene                | 50             | 44.7         | 89       | 75-122              |
| 60-29-7    | Ethyl Ether                 | 50             | 57.9         | 116      | 50-150 <sup>a</sup> |
| 110-54-3   | Hexane                      | 50             | 42.8         | 86       | 50-142              |

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# Blank Spike Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample  | File ID      | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---------|--------------|----|----------|----|-----------|------------|------------------|
| VM52-BS | M0001273.D 1 |    | 12/17/07 | LJ | n/a       | n/a        | VM52             |

The QC reported here applies to the following samples:

Method: SW846 8260B

T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8, T20073-10, T20073-12, T20073-13

| CAS No.   | Compound                  | Spike<br>ug/kg | BSP<br>ug/kg | BSP<br>% | Limits |
|-----------|---------------------------|----------------|--------------|----------|--------|
| 591-78-6  | 2-Hexanone                | 250            | 241          | 96       | 49-155 |
| 87-68-3   | Hexachlorobutadiene       | 50             | 49.4         | 99       | 61-139 |
| 98-82-8   | Isopropylbenzene          | 50             | 47.7         | 95       | 71-134 |
| 99-87-6   | p-Isopropyltoluene        | 50             | 47.3         | 95       | 73-130 |
| 108-10-1  | 4-Methyl-2-pentanone      | 250            | 251          | 100      | 65-145 |
| 74-83-9   | Methyl bromide            | 50             | 48.6         | 97       | 45-137 |
| 74-87-3   | Methyl chloride           | 50             | 48.2         | 96       | 43-144 |
| 74-95-3   | Methylene bromide         | 50             | 48.7         | 97       | 79-121 |
| 75-09-2   | Methylene chloride        | 50             | 43.3         | 87       | 66-130 |
| 78-93-3   | Methyl ethyl ketone       | 250            | 245          | 98       | 69-137 |
| 103-65-1  | n-Propylbenzene           | 50             | 46.6         | 93       | 69-129 |
| 100-42-5  | Styrene                   | 50             | 43.1         | 86       | 72-122 |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | 50             | 46.0         | 92       | 79-117 |
| 71-55-6   | 1,1,1-Trichloroethane     | 50             | 44.8         | 90       | 63-131 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | 50             | 50.0         | 100      | 67-135 |
| 79-00-5   | 1,1,2-Trichloroethane     | 50             | 46.1         | 92       | 76-120 |
| 87-61-6   | 1,2,3-Trichlorobenzene    | 50             | 51.8         | 104      | 58-149 |
| 96-18-4   | 1,2,3-Trichloropropane    | 50             | 44.1         | 88       | 72-125 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | 50             | 51.5         | 103      | 60-147 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | 50             | 46.3         | 93       | 74-126 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | 50             | 46.6         | 93       | 72-126 |
| 127-18-4  | Tetrachloroethylene       | 50             | 45.7         | 91       | 68-127 |
| 108-88-3  | Toluene                   | 50             | 43.9         | 88       | 74-122 |
| 79-01-6   | Trichloroethylene         | 50             | 46.8         | 94       | 72-122 |
| 75-69-4   | Trichlorofluoromethane    | 50             | 46.1         | 92       | 51-145 |
| 75-01-4   | Vinyl chloride            | 50             | 45.8         | 92       | 40-149 |
| 108-05-4  | Vinyl Acetate             | 250            | 290          | 116      | 52-181 |
| 1330-20-7 | Xylene (total)            | 150            | 136          | 91       | 76-123 |

| CAS No.    | Surrogate Recoveries  | BSP  | Limits  |
|------------|-----------------------|------|---------|
| 1868-53-7  | Dibromofluoromethane  | 114% | 68-127% |
| 2037-26-5  | Toluene-D8            | 114% | 76-139% |
| 460-00-4   | 4-Bromofluorobenzene  | 116% | 68-167% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 100% | 56-121% |

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# Blank Spike Summary

Job Number: T20073  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample  | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---------|------------|----|----------|----|-----------|------------|------------------|
| VM52-BS | M0001273.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |

The QC reported here applies to the following samples:

Method: SW846 8260B

T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8, T20073-10, T20073-12, T20073-13

(a) Advisory control limits.

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# Matrix Spike Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample                   | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------------------------|------------|----|----------|----|-----------|------------|------------------|
| T20086-12MS <sup>a</sup> | Y0018624.D | 1  | 12/13/07 | LJ | n/a       | n/a        | VY1521           |
| T20086-12                | Y0018622.D | 1  | 12/13/07 | LJ | n/a       | n/a        | VY1521           |

The QC reported here applies to the following samples:

Method: SW846 8260B

T20073-5, T20073-7, T20073-9, T20073-11, T20073-14, T20073-15, T20073-16

| CAS No.    | Compound                    | T20086-12<br>ug/l | Spike<br>Q | MS<br>ug/l | MS<br>% | Limits |                     |
|------------|-----------------------------|-------------------|------------|------------|---------|--------|---------------------|
| 67-64-1    | Acetone                     | 6.6               | J          | 125        | 130     | 99     | 31-152              |
| 71-43-2    | Benzene                     | 2.0 U             |            | 25         | 25.9    | 104    | 74-125              |
| 108-86-1   | Bromobenzene                | 2.0 U             |            | 25         | 22.2    | 89     | 74-115              |
| 74-97-5    | Bromochloromethane          | 2.0 U             |            | 25         | 20.9    | 84     | 67-120              |
| 75-27-4    | Bromodichloromethane        | 2.0 U             |            | 25         | 21.8    | 87     | 67-124              |
| 75-25-2    | Bromoform                   | 2.0 U             |            | 25         | 21.0    | 84     | 55-119              |
| 71-36-3    | n-Butyl Alcohol             | 20 U              |            | 250        | 283     | 113    | 50-150 <sup>b</sup> |
| 104-51-8   | n-Butylbenzene              | 2.0 U             |            | 25         | 26.0    | 104    | 61-132              |
| 98-06-6    | tert-Butylbenzene           | 2.0 U             |            | 25         | 26.1    | 104    | 70-124              |
| 108-90-7   | Chlorobenzene               | 2.0 U             |            | 25         | 24.0    | 96     | 82-112              |
| 75-00-3    | Chloroethane                | 2.0 U             |            | 25         | 28.2    | 113    | 67-144              |
| 67-66-3    | Chloroform                  | 2.0 U             |            | 25         | 24.8    | 99     | 72-123              |
| 95-49-8    | o-Chlorotoluene             | 2.0 U             |            | 25         | 25.7    | 103    | 74-121              |
| 106-43-4   | p-Chlorotoluene             | 2.0 U             |            | 25         | 24.7    | 99     | 74-119              |
| 75-15-0    | Carbon disulfide            | 2.0 U             |            | 25         | 27.6    | 110    | 48-138              |
| 56-23-5    | Carbon tetrachloride        | 2.0 U             |            | 25         | 24.9    | 100    | 70-136              |
| 110-82-7   | Cyclohexane                 | 2.0 U             |            | 25         | 28.6    | 114    | 68-139              |
| 75-34-3    | 1,1-Dichloroethane          | 2.0 U             |            | 25         | 26.7    | 107    | 73-128              |
| 75-35-4    | 1,1-Dichloroethylene        | 2.0 U             |            | 25         | 24.9    | 100    | 60-138              |
| 563-58-6   | 1,1-Dichloropropene         | 2.0 U             |            | 25         | 26.4    | 106    | 76-133              |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 2.0 U             |            | 25         | 24.9    | 100    | 23-150              |
| 106-93-4   | 1,2-Dibromoethane           | 2.0 U             |            | 25         | 22.7    | 91     | 68-117              |
| 107-06-2   | 1,2-Dichloroethane          | 2.0 U             |            | 25         | 23.6    | 94     | 66-129              |
| 78-87-5    | 1,2-Dichloropropane         | 2.0 U             |            | 25         | 25.1    | 100    | 73-122              |
| 142-28-9   | 1,3-Dichloropropane         | 2.0 U             |            | 25         | 24.7    | 99     | 69-121              |
| 123-91-1   | 1,4-Dioxane                 | 250 U             |            | 500        | 473     | 95     | 19-152              |
| 594-20-7   | 2,2-Dichloropropane         | 2.0 U             |            | 25         | 23.9    | 96     | 50-145              |
| 124-48-1   | Dibromochloromethane        | 2.0 U             |            | 25         | 21.6    | 86     | 68-117              |
| 75-71-8    | Dichlorodifluoromethane     | 2.0 U             |            | 25         | 24.3    | 97     | 14-184              |
| 156-59-2   | cis-1,2-Dichloroethylene    | 2.0 U             |            | 25         | 22.9    | 92     | 72-120              |
| 10061-01-5 | cis-1,3-Dichloropropene     | 2.0 U             |            | 25         | 22.6    | 90     | 62-126              |
| 156-60-5   | trans-1,2-Dichloroethylene  | 2.0 U             |            | 25         | 25.0    | 100    | 72-130              |
| 10061-02-6 | trans-1,3-Dichloropropene   | 2.0 U             |            | 25         | 25.4    | 102    | 62-131              |
| 100-41-4   | Ethylbenzene                | 2.0 U             |            | 25         | 26.0    | 104    | 77-119              |
| 60-29-7    | Ethyl Ether                 | 2.0 U             |            | 25         | 31.0    | 124    | 50-150 <sup>b</sup> |
| 110-54-3   | hexane                      | 2.0 U             |            | 25         | 26.5    | 106    | 53-137              |

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# Matrix Spike Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample                   | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------------------------|------------|----|----------|----|-----------|------------|------------------|
| T20086-12MS <sup>a</sup> | Y0018624.D | 1  | 12/13/07 | LJ | n/a       | n/a        | VY1521           |
| T20086-12                | Y0018622.D | 1  | 12/13/07 | LJ | n/a       | n/a        | VY1521           |

The QC reported here applies to the following samples:

Method: SW846 8260B

T20073-5, T20073-7, T20073-9, T20073-11, T20073-14, T20073-15, T20073-16

| CAS No.   | Compound                  | T20086-12<br>ug/l | Spike<br>Q | MS<br>ug/l | MS<br>% | Limits |
|-----------|---------------------------|-------------------|------------|------------|---------|--------|
| 591-78-6  | 2-Hexanone                | 10 U              | 125        | 137        | 110     | 23-154 |
| 87-68-3   | Hexachlorobutadiene       | 2.0 U             | 25         | 23.2       | 93      | 51-130 |
| 98-82-8   | Isopropylbenzene          | 2.0 U             | 25         | 26.4       | 106     | 72-130 |
| 99-87-6   | p-Isopropyltoluene        | 2.0 U             | 25         | 25.1       | 100     | 73-121 |
| 108-10-1  | 4-Methyl-2-pentanone      | 10 U              | 125        | 114        | 91      | 41-147 |
| 74-83-9   | Methyl bromide            | 2.0 U             | 25         | 27.0       | 108     | 58-134 |
| 74-87-3   | Methyl chloride           | 2.0 U             | 25         | 25.9       | 104     | 47-151 |
| 74-95-3   | Methylene bromide         | 2.0 U             | 25         | 23.2       | 93      | 68-124 |
| 75-09-2   | Methylene chloride        | 5.0 U             | 25         | 22.9       | 92      | 52-125 |
| 78-93-3   | Methyl ethyl ketone       | 10 U              | 125        | 127        | 102     | 42-142 |
| 103-65-1  | n-Propylbenzene           | 2.0 U             | 25         | 25.9       | 104     | 72-124 |
| 100-42-5  | Styrene                   | 2.0 U             | 25         | 21.8       | 87      | 68-115 |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | 2.0 U             | 25         | 22.8       | 91      | 77-113 |
| 71-55-6   | 1,1,1-Trichloroethane     | 2.0 U             | 25         | 26.0       | 104     | 72-134 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | 2.0 U             | 25         | 26.0       | 104     | 55-132 |
| 79-00-5   | 1,1,2-Trichloroethane     | 2.0 U             | 25         | 25.1       | 100     | 66-121 |
| 87-61-6   | 1,2,3-Trichlorobenzene    | 2.0 U             | 25         | 20.9       | 84      | 23-142 |
| 96-18-4   | 1,2,3-Trichloropropane    | 2.0 U             | 25         | 327        | 1308*   | 52-128 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | 2.0 U             | 25         | 22.8       | 91      | 34-134 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | 2.0 U             | 25         | 24.7       | 99      | 73-120 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | 2.0 U             | 25         | 24.9       | 100     | 72-121 |
| 127-18-4  | Tetrachloroethylene       | 2.0 U             | 25         | 23.7       | 95      | 75-122 |
| 108-88-3  | Toluene                   | 2.0 U             | 25         | 26.1       | 104     | 79-119 |
| 79-01-6   | Trichloroethylene         | 2.0 U             | 25         | 24.4       | 98      | 75-124 |
| 75-69-4   | Trichlorofluoromethane    | 2.0 U             | 25         | 24.8       | 99      | 46-162 |
| 75-01-4   | Vinyl chloride            | 2.0 U             | 25         | 29.0       | 116     | 58-150 |
| 108-05-4  | Vinyl Acetate             | 10 U              | 125        | 101        | 81      | 10-160 |
| 1330-20-7 | Xylene (total)            | 6.0 U             | 75         | 73.0       | 97      | 78-119 |

| CAS No.    | Surrogate Recoveries  | MS   | T20086-12 | Limits  |
|------------|-----------------------|------|-----------|---------|
| 1868-53-7  | Dibromofluoromethane  | 110% | 106%      | 76-125% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 111% | 106%      | 69-128% |
| 2037-26-5  | Toluene-D8            | 121% | 120%      | 80-121% |
| 460-00-4   | 4-Bromofluorobenzene  | 115% | 121%      | 69-142% |

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# Matrix Spike Summary

Job Number: T20073  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample                   | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------------------------|------------|----|----------|----|-----------|------------|------------------|
| T20086-12MS <sup>a</sup> | Y0018624.D | 1  | 12/13/07 | LJ | n/a       | n/a        | VY1521           |
| T20086-12                | Y0018622.D | 1  | 12/13/07 | LJ | n/a       | n/a        | VY1521           |

The QC reported here applies to the following samples:

Method: SW846 8260B

T20073-5, T20073-7, T20073-9, T20073-11, T20073-14, T20073-15, T20073-16

- (a) No MSD available due to autosampler failure.
- (b) Advisory control limits.

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# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample      | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|------------|----|----------|----|-----------|------------|------------------|
| T20073-1MS  | M0001292.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |
| T20073-1MSD | M0001293.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |
| T20073-1    | M0001276.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |

The QC reported here applies to the following samples:

Method: SW846 8260B

T20073-1

| CAS No.    | Compound                    | T20073-1<br>ug/kg | Spike<br>Q | ug/kg | MS<br>ug/kg | MS<br>% | MSD<br>ug/kg | MSD<br>% | RPD | Limits<br>Rec/RPD      |
|------------|-----------------------------|-------------------|------------|-------|-------------|---------|--------------|----------|-----|------------------------|
| 67-64-1    | Acetone                     | 8.2               | J          | 289   | 238         | 80      | 252          | 86       | 6   | 28-156/37              |
| 71-43-2    | Benzene                     | 5.7 U             |            | 57.7  | 52.9        | 92      | 52.9         | 93       | 0   | 52-121/25              |
| 108-86-1   | Bromobenzene                | 5.7 U             |            | 57.7  | 50.2        | 87      | 53.1         | 93       | 6   | 48-127/28              |
| 74-97-5    | Bromochloromethane          | 5.7 U             |            | 57.7  | 51.4        | 89      | 53.3         | 94       | 4   | 53-122/25              |
| 75-27-4    | Bromodichloromethane        | 5.7 U             |            | 57.7  | 50.0        | 87      | 50.3         | 88       | 1   | 48-126/26              |
| 75-25-2    | Bromoform                   | 5.7 U             |            | 57.7  | 51.0        | 88      | 52.4         | 92       | 3   | 50-123/28              |
| 71-36-3    | n-Butyl Alcohol             | 57 U              |            | 577   | 472         | 82      | 452          | 79       | 4   | 50-150/30 <sup>a</sup> |
| 104-51-8   | n-Butylbenzene              | 5.7 U             |            | 57.7  | 48.4        | 84      | 51.8         | 91       | 7   | 29-142/28              |
| 98-06-6    | tert-Butylbenzene           | 5.7 U             |            | 57.7  | 47.7        | 83      | 55.5         | 97       | 15  | 39-132/27              |
| 108-90-7   | Chlorobenzene               | 5.7 U             |            | 57.7  | 49.8        | 86      | 51.0         | 90       | 2   | 51-123/23              |
| 75-00-3    | Chloroethane                | 5.7 U             |            | 57.7  | 62.8        | 109     | 58.0         | 102      | 8   | 32-137/26              |
| 67-66-3    | Chloroform                  | 5.7 U             |            | 57.7  | 53.1        | 92      | 53.5         | 94       | 1   | 51-122/20              |
| 95-49-8    | o-Chlorotoluene             | 5.7 U             |            | 57.7  | 51.3        | 89      | 53.0         | 93       | 3   | 42-132/24              |
| 106-43-4   | p-Chlorotoluene             | 5.7 U             |            | 57.7  | 50.1        | 87      | 53.5         | 94       | 7   | 41-131/24              |
| 75-15-0    | Carbon disulfide            | 11 U              |            | 57.7  | 43.4        | 75      | 42.6         | 75       | 2   | 23-130/27              |
| 56-23-5    | Carbon tetrachloride        | 5.7 U             |            | 57.7  | 52.1        | 90      | 52.4         | 92       | 1   | 34-129/30              |
| 110-82-7   | Cyclohexane                 | 5.7 U             |            | 57.7  | 50.5        | 87      | 50.8         | 89       | 1   | 29-136/25              |
| 75-34-3    | 1,1-Dichloroethane          | 5.7 U             |            | 57.7  | 52.7        | 91      | 53.4         | 94       | 1   | 47-125/35              |
| 75-35-4    | 1,1-Dichloroethylene        | 5.7 U             |            | 57.7  | 46.7        | 81      | 46.5         | 82       | 0   | 33-133/36              |
| 563-58-6   | 1,1-Dichloropropene         | 5.7 U             |            | 57.7  | 51.6        | 89      | 52.2         | 92       | 1   | 42-131/33              |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 5.7 U             |            | 57.7  | 50.9        | 88      | 51.1         | 90       | 0   | 26-153/37              |
| 106-93-4   | 1,2-Dibromoethane           | 5.7 U             |            | 57.7  | 51.7        | 90      | 53.1         | 93       | 3   | 57-123/27              |
| 107-06-2   | 1,2-Dichloroethane          | 5.7 U             |            | 57.7  | 49.6        | 86      | 49.8         | 87       | 0   | 52-126/28              |
| 78-87-5    | 1,2-Dichloropropane         | 5.7 U             |            | 57.7  | 52.3        | 91      | 53.7         | 94       | 3   | 54-122/27              |
| 142-28-9   | 1,3-Dichloropropane         | 5.7 U             |            | 57.7  | 50.8        | 88      | 51.9         | 91       | 2   | 55-123/27              |
| 123-91-1   | 1,4-Dioxane                 | 280 U             |            | 1150  | 1020        | 88      | 1020         | 90       | 0   | 28-160/37              |
| 594-20-7   | 2,2-Dichloropropane         | 5.7 U             |            | 57.7  | 50.9        | 88      | 51.4         | 90       | 1   | 36-132/32              |
| 124-48-1   | Dibromochloromethane        | 5.7 U             |            | 57.7  | 50.3        | 87      | 52.3         | 92       | 4   | 55-122/24              |
| 75-71-8    | Dichlorodifluoromethane     | 5.7 U             |            | 57.7  | 44.1        | 76      | 42.2         | 74       | 4   | 25-134/34              |
| 156-59-2   | cis-1,2-Dichloroethylene    | 5.7 U             |            | 57.7  | 52.1        | 90      | 50.9         | 89       | 2   | 53-118/22              |
| 10061-01-5 | cis-1,3-Dichloropropene     | 5.7 U             |            | 57.7  | 54.3        | 94      | 55.5         | 97       | 2   | 46-130/18              |
| 156-60-5   | trans-1,2-Dichloroethylene  | 5.7 U             |            | 57.7  | 50.8        | 88      | 50.3         | 88       | 1   | 46-128/27              |
| 10061-02-6 | trans-1,3-Dichloropropene   | 5.7 U             |            | 57.7  | 51.6        | 89      | 52.8         | 93       | 2   | 51-139/26              |
| 100-41-4   | Ethylbenzene                | 5.7 U             |            | 57.7  | 49.8        | 86      | 51.3         | 90       | 3   | 44-125/25              |
| 60-29-7    | Ethyl Ether                 | 5.7 U             |            | 57.7  | 67.8        | 117     | 65.7         | 115      | 3   | 50-150/30 <sup>a</sup> |
| 110-54-3   | Hexane                      | 5.7 U             |            | 57.7  | 52.0        | 90      | 51.9         | 91       | 0   | 21-137/25              |

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# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample      | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|------------|----|----------|----|-----------|------------|------------------|
| T20073-1MS  | M0001292.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |
| T20073-1MSD | M0001293.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |
| T20073-1    | M0001276.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |

The QC reported here applies to the following samples:

Method: SW846 8260B

T20073-1

| CAS No.   | Compound                  | T20073-1<br>ug/kg | Spike<br>Q | ug/kg | MS<br>ug/kg | MS<br>% | MSD<br>ug/kg | MSD<br>% | RPD | Limits<br>Rec/RPD |
|-----------|---------------------------|-------------------|------------|-------|-------------|---------|--------------|----------|-----|-------------------|
| 591-78-6  | 2-Hexanone                | 57 U              |            | 289   | 257         | 89      | 261          | 92       | 2   | 31-141/33         |
| 87-68-3   | Hexachlorobutadiene       | 5.7 U             |            | 57.7  | 45.3        | 78      | 47.2         | 83       | 4   | 13-143/33         |
| 98-82-8   | Isopropylbenzene          | 5.7 U             |            | 57.7  | 52.6        | 91      | 54.3         | 95       | 3   | 42-139/25         |
| 99-87-6   | p-Isopropyltoluene        | 5.7 U             |            | 57.7  | 50.3        | 87      | 52.7         | 93       | 5   | 38-132/25         |
| 108-10-1  | 4-Methyl-2-pentanone      | 57 U              |            | 289   | 276         | 96      | 277          | 97       | 0   | 41-141/33         |
| 74-83-9   | Methyl bromide            | 5.7 U             |            | 57.7  | 59.2        | 103     | 54.5         | 96       | 8   | 20-132/30         |
| 74-87-3   | Methyl chloride           | 5.7 U             |            | 57.7  | 58.1        | 101     | 55.5         | 97       | 5   | 28-139/32         |
| 74-95-3   | Methylene bromide         | 5.7 U             |            | 57.7  | 53.7        | 93      | 55.8         | 98       | 4   | 54-125/22         |
| 75-09-2   | Methylene chloride        | 11 U              |            | 57.7  | 49.2        | 85      | 49.0         | 86       | 0   | 39-135/28         |
| 78-93-3   | Methyl ethyl ketone       | 57 U              |            | 289   | 251         | 87      | 251          | 88       | 0   | 41-134/30         |
| 103-65-1  | n-Propylbenzene           | 5.7 U             |            | 57.7  | 51.1        | 88      | 53.1         | 93       | 4   | 37-135/27         |
| 100-42-5  | Styrene                   | 5.7 U             |            | 57.7  | 45.3        | 78      | 47.4         | 83       | 5   | 41-126/23         |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | 5.7 U             |            | 57.7  | 48.7        | 84      | 51.0         | 90       | 5   | 53-122/36         |
| 71-55-6   | 1,1,1-Trichloroethane     | 5.7 U             |            | 57.7  | 52.9        | 92      | 52.5         | 92       | 1   | 41-127/36         |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | 5.7 U             |            | 57.7  | 51.1        | 88      | 50.5         | 89       | 1   | 43-141/34         |
| 79-00-5   | 1,1,2-Trichloroethane     | 5.7 U             |            | 57.7  | 51.0        | 88      | 51.7         | 91       | 1   | 56-123/28         |
| 87-61-6   | 1,2,3-Trichlorobenzene    | 5.7 U             |            | 57.7  | 44.4        | 77      | 48.0         | 84       | 8   | 12-151/31         |
| 96-18-4   | 1,2,3-Trichloropropane    | 5.7 U             |            | 57.7  | 49.3        | 85      | 49.1         | 86       | 0   | 45-137/33         |
| 120-82-1  | 1,2,4-Trichlorobenzene    | 5.7 U             |            | 57.7  | 45.3        | 78      | 49.3         | 87       | 8   | 13-148/39         |
| 95-63-6   | 1,2,4-Trimethylbenzene    | 5.7 U             |            | 57.7  | 48.4        | 84      | 50.7         | 89       | 5   | 39-131/37         |
| 108-67-8  | 1,3,5-Trimethylbenzene    | 5.7 U             |            | 57.7  | 50.3        | 87      | 52.3         | 92       | 4   | 39-132/35         |
| 127-18-4  | Tetrachloroethylene       | 5.7 U             |            | 57.7  | 50.9        | 88      | 52.5         | 92       | 3   | 41-127/25         |
| 108-88-3  | Toluene                   | 5.7 U             |            | 57.7  | 49.5        | 86      | 50.0         | 88       | 1   | 48-126/23         |
| 79-01-6   | Trichloroethylene         | 5.7 U             |            | 57.7  | 66.2        | 115     | 56.4         | 99       | 16  | 43-127/24         |
| 75-69-4   | Trichlorofluoromethane    | 5.7 U             |            | 57.7  | 57.2        | 99      | 20.8         | 37       | 93* | 28-143/27         |
| 75-01-4   | Vinyl chloride            | 5.7 U             |            | 57.7  | 57.3        | 99      | 53.5         | 94       | 7   | 32-138/30         |
| 108-05-4  | Vinyl Acetate             | 28 U              |            | 289   | 33.2        | 11*     | 20.0         | 7*       | 50* | 18-163/39         |
| 1330-20-7 | Xylene (total)            | 17 U              |            | 173   | 149         | 86      | 154          | 90       | 3   | 43-128/22         |

| CAS No.    | Surrogate Recoveries  | MS   | MSD  | T20073-1 | Limits  |
|------------|-----------------------|------|------|----------|---------|
| 1868-53-7  | Dibromofluoromethane  | 108% | 113% | 110%     | 68-127% |
| 2037-26-5  | Toluene-D8            | 111% | 115% | 116%     | 76-139% |
| 460-00-4   | 4-Bromofluorobenzene  | 111% | 115% | 115%     | 68-167% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 98%  | 100% | 95%      | 56-121% |

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# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T20073  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample      | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|------------|----|----------|----|-----------|------------|------------------|
| T20073-1MS  | M0001292.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |
| T20073-1MSD | M0001293.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |
| T20073-1    | M0001276.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |

The QC reported here applies to the following samples:

Method: SW846 8260B

T20073-1

(a) Advisory control limits.

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# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample       | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------------|------------|----|----------|----|-----------|------------|------------------|
| T20073-10MS  | M0001294.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |
| T20073-10MSD | M0001295.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |
| T20073-10    | M0001284.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |

The QC reported here applies to the following samples:

Method: SW846 8260B

T20073-2, T20073-3, T20073-4, T20073-6, T20073-8, T20073-10, T20073-12, T20073-13

| CAS No.    | Compound                    | T20073-10<br>ug/kg | Spike<br>Q | ug/kg | MS<br>ug/kg | MS<br>% | MSD<br>ug/kg | MSD<br>% | RPD | Limits<br>Rec/RPD      |
|------------|-----------------------------|--------------------|------------|-------|-------------|---------|--------------|----------|-----|------------------------|
| 67-64-1    | Acetone                     | 72.2               | J          | 593   | 452         | 64      | 466          | 67       | 3   | 28-156/37              |
| 71-43-2    | Benzene                     | 11 U               |            | 119   | 107         | 90      | 106          | 90       | 1   | 52-121/25              |
| 108-86-1   | Bromobenzene                | 11 U               |            | 119   | 128         | 108     | 127          | 108      | 1   | 48-127/28              |
| 74-97-5    | Bromochloromethane          | 11 U               |            | 119   | 142         | 120     | 138          | 117      | 3   | 53-122/25              |
| 75-27-4    | Bromodichloromethane        | 11 U               |            | 119   | 29.3        | 25*     | 29.5         | 25*      | 1   | 48-126/26              |
| 75-25-2    | Bromoform                   | 11 U               |            | 119   | 13.5        | 11*     | 12.3         | 10*      | 9   | 50-123/28              |
| 71-36-3    | n-Butyl Alcohol             | 110 U              |            | 1190  | 1150        | 97      | 1110         | 94       | 4   | 50-150/30 <sup>a</sup> |
| 104-51-8   | n-Butylbenzene              | 11 U               |            | 119   | 84.1        | 71      | 85.6         | 73       | 2   | 29-142/28              |
| 98-06-6    | tert-Butylbenzene           | 11 U               |            | 119   | 102         | 86      | 101          | 86       | 1   | 39-132/27              |
| 108-90-7   | Chlorobenzene               | 11 U               |            | 119   | 105         | 89      | 105          | 89       | 0   | 51-123/23              |
| 75-00-3    | Chloroethane                | 11 U               |            | 119   | 117         | 99      | 111          | 94       | 5   | 32-137/26              |
| 67-66-3    | Chloroform                  | 11 U               |            | 119   | 115         | 97      | 115          | 98       | 0   | 51-122/20              |
| 95-49-8    | o-Chlorotoluene             | 11 U               |            | 119   | 124         | 105     | 124          | 105      | 0   | 42-132/24              |
| 106-43-4   | p-Chlorotoluene             | 11 U               |            | 119   | 125         | 105     | 126          | 107      | 1   | 41-131/24              |
| 75-15-0    | Carbon disulfide            | 23 U               |            | 119   | 22.3        | 19*     | 20.8         | 18*      | 7   | 23-130/27              |
| 56-23-5    | Carbon tetrachloride        | 11 U               |            | 119   | 66.7        | 56      | 64.2         | 55       | 4   | 34-129/30              |
| 110-82-7   | Cyclohexane                 | 11 U               |            | 119   | 94.3        | 80      | 92.1         | 78       | 2   | 29-136/25              |
| 75-34-3    | 1,1-Dichloroethane          | 11 U               |            | 119   | 109         | 92      | 109          | 93       | 0   | 47-125/35              |
| 75-35-4    | 1,1-Dichloroethylene        | 11 U               |            | 119   | 97.2        | 82      | 93.9         | 80       | 3   | 33-133/36              |
| 563-58-6   | 1,1-Dichloropropene         | 11 U               |            | 119   | 102         | 86      | 98.9         | 84       | 3   | 42-131/33              |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 11 U               |            | 119   | 68.2        | 58      | 70.8         | 60       | 4   | 26-153/37              |
| 106-93-4   | 1,2-Dibromoethane           | 11 U               |            | 119   | 93.4        | 79      | 92.9         | 79       | 1   | 57-123/27              |
| 107-06-2   | 1,2-Dichloroethane          | 11 U               |            | 119   | 97.2        | 82      | 96.0         | 82       | 1   | 52-126/28              |
| 78-87-5    | 1,2-Dichloropropane         | 11 U               |            | 119   | 106         | 89      | 105          | 89       | 1   | 54-122/27              |
| 142-28-9   | 1,3-Dichloropropane         | 11 U               |            | 119   | 105         | 89      | 102          | 87       | 3   | 55-123/27              |
| 123-91-1   | 1,4-Dioxane                 | 570 U              |            | 2370  | 2930        | 124     | 2730         | 116      | 7   | 28-160/37              |
| 594-20-7   | 2,2-Dichloropropane         | 11 U               |            | 119   | 101         | 85      | 97.1         | 83       | 4   | 36-132/32              |
| 124-48-1   | Dibromochloromethane        | 11 U               |            | 119   | 19.5        | 16*     | 18.9         | 16*      | 3   | 55-122/24              |
| 75-71-8    | Dichlorodifluoromethane     | 11 U               |            | 119   | 83.3        | 70      | 78.3         | 67       | 6   | 25-134/34              |
| 156-59-2   | cis-1,2-Dichloroethylene    | 11 U               |            | 119   | 103         | 87      | 99.3         | 84       | 4   | 53-118/22              |
| 10061-01-5 | cis-1,3-Dichloropropene     | 11 U               |            | 119   | 52.9        | 45*     | 48.0         | 41*      | 10  | 46-130/18              |
| 156-60-5   | trans-1,2-Dichloroethylene  | 11 U               |            | 119   | 101         | 85      | 96.8         | 82       | 4   | 46-128/27              |
| 10061-02-6 | trans-1,3-Dichloropropene   | 11 U               |            | 119   | 54.5        | 46*     | 48.9         | 42*      | 11  | 51-139/26              |
| 100-41-4   | Ethylbenzene                | 11 U               |            | 119   | 106         | 89      | 103          | 88       | 3   | 44-125/25              |
| 60-29-7    | Ethyl Ether                 | 11 U               |            | 119   | 186         | 157*    | 180          | 153*     | 3   | 50-150/30 <sup>a</sup> |
| 110-54-3   | Hexane                      | 11 U               |            | 119   | 83.4        | 70      | 82.8         | 70       | 1   | 21-137/25              |

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# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample       | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------------|------------|----|----------|----|-----------|------------|------------------|
| T20073-10MS  | M0001294.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |
| T20073-10MSD | M0001295.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |
| T20073-10    | M0001284.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |

The QC reported here applies to the following samples:

Method: SW846 8260B

T20073-2, T20073-3, T20073-4, T20073-6, T20073-8, T20073-10, T20073-12, T20073-13

| CAS No.   | Compound                  | T20073-10<br>ug/kg | Spike<br>Q | ug/kg | MS<br>ug/kg | MS<br>% | MSD<br>ug/kg | MSD<br>% | RPD | Limits<br>Rec/RPD |
|-----------|---------------------------|--------------------|------------|-------|-------------|---------|--------------|----------|-----|-------------------|
| 591-78-6  | 2-Hexanone                | 110 U              |            | 593   | 422         | 71      | 440          | 75       | 4   | 31-141/33         |
| 87-68-3   | Hexachlorobutadiene       | 11 U               |            | 119   | 36.2        | 31      | 40.5         | 34       | 11  | 13-143/33         |
| 98-82-8   | Isopropylbenzene          | 11 U               |            | 119   | 134         | 113     | 133          | 113      | 1   | 42-139/25         |
| 99-87-6   | p-Isopropyltoluene        | 11 U               |            | 119   | 98.7        | 83      | 100          | 85       | 1   | 38-132/25         |
| 108-10-1  | 4-Methyl-2-pentanone      | 110 U              |            | 593   | 455         | 77      | 472          | 80       | 4   | 41-141/33         |
| 74-83-9   | Methyl bromide            | 11 U               |            | 119   | 74.8        | 63      | 70.0         | 60       | 7   | 20-132/30         |
| 74-87-3   | Methyl chloride           | 11 U               |            | 119   | 110         | 93      | 104          | 88       | 6   | 28-139/32         |
| 74-95-3   | Methylene bromide         | 11 U               |            | 119   | 148         | 125     | 143          | 122      | 3   | 54-125/22         |
| 75-09-2   | Methylene chloride        | 23 U               |            | 119   | 127         | 107     | 125          | 106      | 2   | 39-135/28         |
| 78-93-3   | Methyl ethyl ketone       | 110 U              |            | 593   | 421         | 71      | 423          | 72       | 0   | 41-134/30         |
| 103-65-1  | n-Propylbenzene           | 11 U               |            | 119   | 121         | 102     | 122          | 104      | 1   | 37-135/27         |
| 100-42-5  | Styrene                   | 11 U               |            | 119   | 49.2        | 42      | 51.5         | 44       | 5   | 41-126/23         |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | 11 U               |            | 119   | 46.3        | 39*     | 43.8         | 37*      | 6   | 53-122/36         |
| 71-55-6   | 1,1,1-Trichloroethane     | 11 U               |            | 119   | 103         | 87      | 100          | 85       | 3   | 41-127/36         |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | 11 U               |            | 119   | 124         | 105     | 126          | 107      | 2   | 43-141/34         |
| 79-00-5   | 1,1,2-Trichloroethane     | 11 U               |            | 119   | 129         | 109     | 129          | 110      | 0   | 56-123/28         |
| 87-61-6   | 1,2,3-Trichlorobenzene    | 11 U               |            | 119   | 47.5        | 40      | 49.1         | 42       | 3   | 12-151/31         |
| 96-18-4   | 1,2,3-Trichloropropane    | 11 U               |            | 119   | 118         | 100     | 121          | 103      | 3   | 45-137/33         |
| 120-82-1  | 1,2,4-Trichlorobenzene    | 11 U               |            | 119   | 58.9        | 50      | 60.7         | 52       | 3   | 13-148/39         |
| 95-63-6   | 1,2,4-Trimethylbenzene    | 11 U               |            | 119   | 113         | 95      | 114          | 97       | 1   | 39-131/37         |
| 108-67-8  | 1,3,5-Trimethylbenzene    | 11 U               |            | 119   | 117         | 99      | 118          | 100      | 1   | 39-132/35         |
| 127-18-4  | Tetrachloroethylene       | 11 U               |            | 119   | 108         | 91      | 104          | 88       | 4   | 41-127/25         |
| 108-88-3  | Toluene                   | 5.0                | J          | 119   | 108         | 87      | 108          | 88       | 0   | 48-126/23         |
| 79-01-6   | Trichloroethylene         | 11 U               |            | 119   | 104         | 88      | 104          | 88       | 0   | 43-127/24         |
| 75-69-4   | Trichlorofluoromethane    | 11 U               |            | 119   | 91.2        | 77      | 35.3         | 30       | 88* | 28-143/27         |
| 75-01-4   | Vinyl chloride            | 11 U               |            | 119   | 102         | 86      | 102          | 87       | 0   | 32-138/30         |
| 108-05-4  | Vinyl Acetate             | 57 U               |            | 593   | ND          | 0*      | ND           | 0*       | nc  | 18-163/39         |
| 1330-20-7 | Xylene (total)            | 34 U               |            | 356   | 312         | 88      | 309          | 88       | 1   | 43-128/22         |

| CAS No.    | Surrogate Recoveries  | MS   | MSD  | T20073-10 | Limits  |
|------------|-----------------------|------|------|-----------|---------|
| 1868-53-7  | Dibromofluoromethane  | 109% | 109% | 106%      | 68-127% |
| 2037-26-5  | Toluene-D8            | 117% | 118% | 121%      | 76-139% |
| 460-00-4   | 4-Bromofluorobenzene  | 131% | 134% | 135%      | 68-167% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 90%  | 92%  | 91%       | 56-121% |

5.4  
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# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T20073  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample       | File ID    | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------------|------------|----|----------|----|-----------|------------|------------------|
| T20073-10MS  | M0001294.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |
| T20073-10MSD | M0001295.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |
| T20073-10    | M0001284.D | 1  | 12/17/07 | LJ | n/a       | n/a        | VM52             |

The QC reported here applies to the following samples:

Method: SW846 8260B

T20073-2, T20073-3, T20073-4, T20073-6, T20073-8, T20073-10, T20073-12, T20073-13

(a) Advisory control limits.

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## GC/MS Semi-volatiles

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### QC Data Summaries

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Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

## Method Blank Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| OP8697-MB | H24770.D | 1  | 12/13/07 | SC | 12/12/07  | OP8697     | EH1391           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8, T20073-12, T20073-13

| CAS No.   | Compound                    | Result | RL  | MDL | Units | Q |
|-----------|-----------------------------|--------|-----|-----|-------|---|
| 108-98-5  | Benzenethiol                | ND     | 170 | 170 | ug/kg |   |
| 65-85-0   | Benzoic acid                | ND     | 830 | 42  | ug/kg |   |
| 95-57-8   | 2-Chlorophenol              | ND     | 170 | 51  | ug/kg |   |
| 59-50-7   | 4-Chloro-3-methyl phenol    | ND     | 170 | 38  | ug/kg |   |
| 120-83-2  | 2,4-Dichlorophenol          | ND     | 170 | 56  | ug/kg |   |
| 105-67-9  | 2,4-Dimethylphenol          | ND     | 170 | 53  | ug/kg |   |
| 51-28-5   | 2,4-Dinitrophenol           | ND     | 830 | 56  | ug/kg |   |
| 534-52-1  | 4,6-Dinitro-o-cresol        | ND     | 330 | 110 | ug/kg |   |
| 95-48-7   | 2-Methylphenol              | ND     | 170 | 36  | ug/kg |   |
|           | 3&4-Methylphenol            | ND     | 170 | 55  | ug/kg |   |
| 100-02-7  | 4-Nitrophenol               | ND     | 170 | 66  | ug/kg |   |
| 87-86-5   | Pentachlorophenol           | ND     | 830 | 44  | ug/kg |   |
| 108-95-2  | Phenol                      | ND     | 170 | 67  | ug/kg |   |
| 95-95-4   | 2,4,5-Trichlorophenol       | ND     | 170 | 47  | ug/kg |   |
| 88-06-2   | 2,4,6-Trichlorophenol       | ND     | 170 | 45  | ug/kg |   |
| 83-32-9   | Acenaphthene                | ND     | 170 | 40  | ug/kg |   |
| 208-96-8  | Acenaphthylene              | ND     | 170 | 45  | ug/kg |   |
| 120-12-7  | Anthracene                  | ND     | 170 | 54  | ug/kg |   |
| 56-55-3   | Benzo(a)anthracene          | ND     | 170 | 62  | ug/kg |   |
| 50-32-8   | Benzo(a)pyrene              | ND     | 170 | 54  | ug/kg |   |
| 205-99-2  | Benzo(b)fluoranthene        | ND     | 170 | 70  | ug/kg |   |
| 191-24-2  | Benzo(g,h,i)perylene        | ND     | 170 | 92  | ug/kg |   |
| 207-08-9  | Benzo(k)fluoranthene        | ND     | 170 | 77  | ug/kg |   |
| 101-55-3  | 4-Bromophenyl phenyl ether  | ND     | 170 | 64  | ug/kg |   |
| 85-68-7   | Butyl benzyl phthalate      | ND     | 170 | 80  | ug/kg |   |
| 100-51-6  | Benzyl Alcohol              | ND     | 170 | 59  | ug/kg |   |
| 91-58-7   | 2-Chloronaphthalene         | ND     | 170 | 46  | ug/kg |   |
| 106-47-8  | 4-Chloroaniline             | ND     | 170 | 47  | ug/kg |   |
| 86-74-8   | Carbazole                   | ND     | 170 | 72  | ug/kg |   |
| 218-01-9  | Chrysene                    | ND     | 170 | 55  | ug/kg |   |
| 111-91-1  | bis(2-Chloroethoxy)methane  | ND     | 170 | 62  | ug/kg |   |
| 111-44-4  | bis(2-Chloroethyl)ether     | ND     | 170 | 36  | ug/kg |   |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND     | 170 | 51  | ug/kg |   |
| 95-50-1   | 1,2-Dichlorobenzene         | ND     | 170 | 57  | ug/kg |   |
| 541-73-1  | 1,3-Dichlorobenzene         | ND     | 170 | 52  | ug/kg |   |
| 106-46-7  | 1,4-Dichlorobenzene         | ND     | 170 | 46  | ug/kg |   |

## Method Blank Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| OP8697-MB | H24770.D | 1  | 12/13/07 | SC | 12/12/07  | OP8697     | EH1391           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8, T20073-12, T20073-13

| CAS No.  | Compound                       | Result | RL  | MDL | Units | Q |
|----------|--------------------------------|--------|-----|-----|-------|---|
| 121-14-2 | 2,4-Dinitrotoluene             | ND     | 170 | 73  | ug/kg |   |
| 606-20-2 | 2,6-Dinitrotoluene             | ND     | 170 | 43  | ug/kg |   |
| 91-94-1  | 3,3'-Dichlorobenzidine         | ND     | 330 | 68  | ug/kg |   |
| 57-97-6  | 7,12-Dimethylbenz(a)anthracene | ND     | 170 | 170 | ug/kg |   |
| 226-36-8 | Dibenz(a,h)acridine            | ND     | 170 | 170 | ug/kg |   |
| 53-70-3  | Dibenzo(a,h)anthracene         | ND     | 170 | 58  | ug/kg |   |
| 132-64-9 | Dibenzofuran                   | ND     | 170 | 46  | ug/kg |   |
| 122-39-4 | Diphenylamine                  | ND     | 170 | 73  | ug/kg |   |
| 84-74-2  | Di-n-butyl phthalate           | ND     | 170 | 82  | ug/kg |   |
| 117-84-0 | Di-n-octyl phthalate           | ND     | 170 | 150 | ug/kg |   |
| 84-66-2  | Diethyl phthalate              | ND     | 170 | 46  | ug/kg |   |
| 131-11-3 | Dimethyl phthalate             | ND     | 170 | 41  | ug/kg |   |
| 117-81-7 | bis(2-Ethylhexyl)phthalate     | ND     | 170 | 83  | ug/kg |   |
| 206-44-0 | Fluoranthene                   | ND     | 170 | 75  | ug/kg |   |
| 86-73-7  | Fluorene                       | ND     | 170 | 51  | ug/kg |   |
| 118-74-1 | Hexachlorobenzene              | ND     | 170 | 55  | ug/kg |   |
| 87-68-3  | Hexachlorobutadiene            | ND     | 170 | 51  | ug/kg |   |
| 77-47-4  | Hexachlorocyclopentadiene      | ND     | 170 | 60  | ug/kg |   |
| 67-72-1  | Hexachloroethane               | ND     | 170 | 49  | ug/kg |   |
| 95-13-6  | Indene                         | ND     | 830 | 830 | ug/kg |   |
| 193-39-5 | Indeno(1,2,3-cd)pyrene         | ND     | 170 | 65  | ug/kg |   |
| 78-59-1  | Isophorone                     | ND     | 170 | 44  | ug/kg |   |
| 90-12-0  | 1-Methylnaphthalene            | ND     | 170 | 40  | ug/kg |   |
| 91-57-6  | 2-Methylnaphthalene            | ND     | 170 | 44  | ug/kg |   |
|          | 6-Methyl Chrysene              | ND     | 170 | 170 | ug/kg |   |
| 88-74-4  | 2-Nitroaniline                 | ND     | 170 | 43  | ug/kg |   |
| 99-09-2  | 3-Nitroaniline                 | ND     | 170 | 62  | ug/kg |   |
| 100-01-6 | 4-Nitroaniline                 | ND     | 170 | 91  | ug/kg |   |
| 91-20-3  | Naphthalene                    | ND     | 170 | 40  | ug/kg |   |
| 98-95-3  | Nitrobenzene                   | ND     | 170 | 47  | ug/kg |   |
| 621-64-7 | N-Nitroso-di-n-propylamine     | ND     | 170 | 67  | ug/kg |   |
| 86-30-6  | N-Nitrosodiphenylamine         | ND     | 170 | 73  | ug/kg |   |
| 85-01-8  | Phenanthrene                   | ND     | 170 | 62  | ug/kg |   |
| 129-00-0 | Pyrene                         | ND     | 170 | 81  | ug/kg |   |
| 91-22-5  | Quinoline                      | ND     | 170 | 170 | ug/kg |   |
| 120-82-1 | 1,2,4-Trichlorobenzene         | ND     | 170 | 44  | ug/kg |   |

## Method Blank Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| OP8697-MB | H24770.D | 1  | 12/13/07 | SC | 12/12/07  | OP8697     | EH1391           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8, T20073-12, T20073-13

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| CAS No.  | Compound                | Result | RL  | MDL | Units | Q |
|----------|-------------------------|--------|-----|-----|-------|---|
|          | 1,3&1,4-Cyclohexanediol | ND     | 170 | 170 | ug/kg |   |
| 931-17-9 | 1,2-Cyclohexanediol     | ND     | 170 | 170 | ug/kg |   |
| 98-85-1  | 1-Phenylethanol         | ND     | 170 | 170 | ug/kg |   |

| CAS No.   | Surrogate Recoveries | Limits |         |
|-----------|----------------------|--------|---------|
| 367-12-4  | 2-Fluorophenol       | 58%    | 26-124% |
| 4165-62-2 | Phenol-d5            | 64%    | 19-106% |
| 118-79-6  | 2,4,6-Tribromophenol | 67%    | 18-129% |
| 4165-60-0 | Nitrobenzene-d5      | 61%    | 18-104% |
| 321-60-8  | 2-Fluorobiphenyl     | 65%    | 21-114% |
| 1718-51-0 | Terphenyl-d14        | 87%    | 24-149% |

## Method Blank Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| OP8713-MB | H24809.D | 1  | 12/14/07 | SC | 12/14/07  | OP8713     | EH1393           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-5, T20073-7, T20073-9, T20073-11, T20073-14

| CAS No.   | Compound                    | Result | RL  | MDL  | Units | Q |
|-----------|-----------------------------|--------|-----|------|-------|---|
| 108-98-5  | Benzenethiol                | ND     | 10  | 10   | ug/l  |   |
| 65-85-0   | Benzoic Acid                | ND     | 10  | 0.58 | ug/l  |   |
| 95-57-8   | 2-Chlorophenol              | ND     | 5.0 | 1.4  | ug/l  |   |
| 59-50-7   | 4-Chloro-3-methyl phenol    | ND     | 5.0 | 1.2  | ug/l  |   |
| 120-83-2  | 2,4-Dichlorophenol          | ND     | 5.0 | 1.8  | ug/l  |   |
| 105-67-9  | 2,4-Dimethylphenol          | ND     | 5.0 | 2.6  | ug/l  |   |
| 51-28-5   | 2,4-Dinitrophenol           | ND     | 25  | 2.4  | ug/l  |   |
| 534-52-1  | 4,6-Dinitro-o-cresol        | ND     | 10  | 3.9  | ug/l  |   |
| 95-48-7   | 2-Methylphenol              | ND     | 5.0 | 1.2  | ug/l  |   |
|           | 3&4-Methylphenol            | ND     | 5.0 | 1.1  | ug/l  |   |
| 100-02-7  | 4-Nitrophenol               | ND     | 25  | 1.7  | ug/l  |   |
| 87-86-5   | Pentachlorophenol           | ND     | 25  | 4.0  | ug/l  |   |
| 108-95-2  | Phenol                      | ND     | 5.0 | 0.52 | ug/l  |   |
| 95-95-4   | 2,4,5-Trichlorophenol       | ND     | 5.0 | 1.8  | ug/l  |   |
| 88-06-2   | 2,4,6-Trichlorophenol       | ND     | 5.0 | 1.5  | ug/l  |   |
| 83-32-9   | Acenaphthene                | ND     | 5.0 | 1.5  | ug/l  |   |
| 208-96-8  | Acenaphthylene              | ND     | 5.0 | 1.6  | ug/l  |   |
| 120-12-7  | Anthracene                  | ND     | 5.0 | 1.8  | ug/l  |   |
| 56-55-3   | Benzo(a)anthracene          | ND     | 5.0 | 1.4  | ug/l  |   |
| 50-32-8   | Benzo(a)pyrene              | ND     | 5.0 | 1.6  | ug/l  |   |
| 205-99-2  | Benzo(b)fluoranthene        | ND     | 5.0 | 1.5  | ug/l  |   |
| 191-24-2  | Benzo(g,h,i)perylene        | ND     | 5.0 | 2.5  | ug/l  |   |
| 207-08-9  | Benzo(k)fluoranthene        | ND     | 5.0 | 1.6  | ug/l  |   |
| 101-55-3  | 4-Bromophenyl phenyl ether  | ND     | 5.0 | 2.1  | ug/l  |   |
| 85-68-7   | Butyl benzyl phthalate      | ND     | 5.0 | 1.7  | ug/l  |   |
| 100-51-6  | Benzyl Alcohol              | ND     | 5.0 | 1.9  | ug/l  |   |
| 91-58-7   | 2-Chloronaphthalene         | ND     | 5.0 | 1.2  | ug/l  |   |
| 106-47-8  | 4-Chloroaniline             | ND     | 5.0 | 1.6  | ug/l  |   |
| 86-74-8   | Carbazole                   | ND     | 5.0 | 1.7  | ug/l  |   |
| 218-01-9  | Chrysene                    | ND     | 5.0 | 1.3  | ug/l  |   |
| 111-91-1  | bis(2-Chloroethoxy)methane  | ND     | 5.0 | 1.6  | ug/l  |   |
| 111-44-4  | bis(2-Chloroethyl)ether     | ND     | 5.0 | 1.2  | ug/l  |   |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND     | 5.0 | 1.5  | ug/l  |   |
| 95-50-1   | 1,2-Dichlorobenzene         | ND     | 5.0 | 1.6  | ug/l  |   |
| 541-73-1  | 1,3-Dichlorobenzene         | ND     | 5.0 | 1.6  | ug/l  |   |
| 106-46-7  | 1,4-Dichlorobenzene         | ND     | 5.0 | 1.5  | ug/l  |   |

## Method Blank Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| OP8713-MB | H24809.D | 1  | 12/14/07 | SC | 12/14/07  | OP8713     | EH1393           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-5, T20073-7, T20073-9, T20073-11, T20073-14

| CAS No.  | Compound                       | Result | RL  | MDL | Units | Q |
|----------|--------------------------------|--------|-----|-----|-------|---|
| 121-14-2 | 2,4-Dinitrotoluene             | ND     | 5.0 | 2.4 | ug/l  |   |
| 606-20-2 | 2,6-Dinitrotoluene             | ND     | 5.0 | 1.7 | ug/l  |   |
| 91-94-1  | 3,3'-Dichlorobenzidine         | ND     | 10  | 3.7 | ug/l  |   |
| 57-97-6  | 7,12-Dimethylbenz(a)anthracene | ND     | 5.0 | 5.0 | ug/l  |   |
| 226-36-8 | Dibenz(a,h)acridine            | ND     | 5.0 | 1.0 | ug/l  |   |
| 53-70-3  | Dibenzo(a,h)anthracene         | ND     | 5.0 | 1.3 | ug/l  |   |
| 132-64-9 | Dibenzofuran                   | ND     | 5.0 | 2.3 | ug/l  |   |
| 122-39-4 | Diphenylamine                  | ND     | 5.0 | 1.9 | ug/l  |   |
| 84-74-2  | Di-n-butyl phthalate           | ND     | 5.0 | 1.6 | ug/l  |   |
| 117-84-0 | Di-n-octyl phthalate           | ND     | 5.0 | 1.3 | ug/l  |   |
| 84-66-2  | Diethyl phthalate              | ND     | 5.0 | 1.1 | ug/l  |   |
| 131-11-3 | Dimethyl phthalate             | ND     | 5.0 | 1.8 | ug/l  |   |
| 117-81-7 | bis(2-Ethylhexyl)phthalate     | ND     | 5.0 | 1.5 | ug/l  |   |
| 206-44-0 | Fluoranthene                   | ND     | 5.0 | 1.6 | ug/l  |   |
| 86-73-7  | Fluorene                       | ND     | 5.0 | 2.1 | ug/l  |   |
| 118-74-1 | Hexachlorobenzene              | ND     | 5.0 | 1.9 | ug/l  |   |
| 87-68-3  | Hexachlorobutadiene            | ND     | 5.0 | 1.9 | ug/l  |   |
| 77-47-4  | Hexachlorocyclopentadiene      | ND     | 5.0 | 1.4 | ug/l  |   |
| 67-72-1  | Hexachloroethane               | ND     | 5.0 | 1.7 | ug/l  |   |
| 95-13-6  | Indene                         | ND     | 15  | 14  | ug/l  |   |
| 193-39-5 | Indeno(1,2,3-cd)pyrene         | ND     | 5.0 | 2.4 | ug/l  |   |
| 78-59-1  | Isophorone                     | ND     | 5.0 | 1.2 | ug/l  |   |
| 90-12-0  | 1-Methylnaphthalene            | ND     | 5.0 | 1.7 | ug/l  |   |
| 91-57-6  | 2-Methylnaphthalene            | ND     | 5.0 | 2.0 | ug/l  |   |
|          | 6-Methyl Chrysene              | ND     | 5.0 | 5.0 | ug/l  |   |
| 88-74-4  | 2-Nitroaniline                 | ND     | 5.0 | 2.1 | ug/l  |   |
| 99-09-2  | 3-Nitroaniline                 | ND     | 5.0 | 2.7 | ug/l  |   |
| 100-01-6 | 4-Nitroaniline                 | ND     | 5.0 | 5.0 | ug/l  |   |
| 91-20-3  | Naphthalene                    | ND     | 5.0 | 1.5 | ug/l  |   |
| 98-95-3  | Nitrobenzene                   | ND     | 5.0 | 1.4 | ug/l  |   |
| 621-64-7 | N-Nitroso-di-n-propylamine     | ND     | 5.0 | 1.7 | ug/l  |   |
| 86-30-6  | N-Nitrosodiphenylamine         | ND     | 5.0 | 1.9 | ug/l  |   |
| 85-01-8  | Phenanthrene                   | ND     | 5.0 | 1.6 | ug/l  |   |
| 129-00-0 | Pyrene                         | ND     | 5.0 | 1.1 | ug/l  |   |
| 91-22-5  | Quinoline                      | ND     | 5.0 | 1.0 | ug/l  |   |
| 120-82-1 | 1,2,4-Trichlorobenzene         | ND     | 5.0 | 1.0 | ug/l  |   |

## Method Blank Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| OP8713-MB | H24809.D | 1  | 12/14/07 | SC | 12/14/07  | OP8713     | EH1393           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-5, T20073-7, T20073-9, T20073-11, T20073-14

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| CAS No.  | Compound                | Result | RL  | MDL | Units | Q |
|----------|-------------------------|--------|-----|-----|-------|---|
| 98-85-1  | 1-Phenylethanol         | ND     | 5.0 | 5.0 | ug/l  |   |
| 931-17-9 | 1,2-Cyclohexanediol     | ND     | 5.0 | 5.0 | ug/l  |   |
|          | 1,3&1,4-Cyclohexanediol | ND     | 5.0 | 5.0 | ug/l  |   |

| CAS No.   | Surrogate Recoveries | Limits |         |
|-----------|----------------------|--------|---------|
| 367-12-4  | 2-Fluorophenol       | 34%    | 10-66%  |
| 4165-62-2 | Phenol-d5            | 22%    | 10-53%  |
| 118-79-6  | 2,4,6-Tribromophenol | 43%    | 32-128% |
| 4165-60-0 | Nitrobenzene-d5      | 57%    | 29-115% |
| 321-60-8  | 2-Fluorobiphenyl     | 53%    | 34-113% |
| 1718-51-0 | Terphenyl-d14        | 64%    | 12-145% |

## Method Blank Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| OP8734-MB | H24900.D | 1  | 12/19/07 | SC | 12/18/07  | OP8734     | EH1396           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-10

| CAS No.   | Compound                    | Result | RL  | MDL | Units | Q |
|-----------|-----------------------------|--------|-----|-----|-------|---|
| 108-98-5  | Benzenethiol                | ND     | 170 | 170 | ug/kg |   |
| 65-85-0   | Benzoic acid                | ND     | 830 | 42  | ug/kg |   |
| 95-57-8   | 2-Chlorophenol              | ND     | 170 | 51  | ug/kg |   |
| 59-50-7   | 4-Chloro-3-methyl phenol    | ND     | 170 | 38  | ug/kg |   |
| 120-83-2  | 2,4-Dichlorophenol          | ND     | 170 | 56  | ug/kg |   |
| 105-67-9  | 2,4-Dimethylphenol          | ND     | 170 | 53  | ug/kg |   |
| 51-28-5   | 2,4-Dinitrophenol           | ND     | 830 | 56  | ug/kg |   |
| 534-52-1  | 4,6-Dinitro-o-cresol        | ND     | 330 | 110 | ug/kg |   |
| 95-48-7   | 2-Methylphenol              | ND     | 170 | 36  | ug/kg |   |
|           | 3&4-Methylphenol            | ND     | 170 | 55  | ug/kg |   |
| 100-02-7  | 4-Nitrophenol               | ND     | 170 | 66  | ug/kg |   |
| 87-86-5   | Pentachlorophenol           | ND     | 830 | 44  | ug/kg |   |
| 108-95-2  | Phenol                      | ND     | 170 | 67  | ug/kg |   |
| 95-95-4   | 2,4,5-Trichlorophenol       | ND     | 170 | 47  | ug/kg |   |
| 88-06-2   | 2,4,6-Trichlorophenol       | ND     | 170 | 45  | ug/kg |   |
| 83-32-9   | Acenaphthene                | ND     | 170 | 40  | ug/kg |   |
| 208-96-8  | Acenaphthylene              | ND     | 170 | 45  | ug/kg |   |
| 120-12-7  | Anthracene                  | ND     | 170 | 54  | ug/kg |   |
| 56-55-3   | Benzo(a)anthracene          | ND     | 170 | 62  | ug/kg |   |
| 50-32-8   | Benzo(a)pyrene              | ND     | 170 | 54  | ug/kg |   |
| 205-99-2  | Benzo(b)fluoranthene        | ND     | 170 | 70  | ug/kg |   |
| 191-24-2  | Benzo(g,h,i)perylene        | ND     | 170 | 92  | ug/kg |   |
| 207-08-9  | Benzo(k)fluoranthene        | ND     | 170 | 77  | ug/kg |   |
| 101-55-3  | 4-Bromophenyl phenyl ether  | ND     | 170 | 64  | ug/kg |   |
| 85-68-7   | Butyl benzyl phthalate      | ND     | 170 | 80  | ug/kg |   |
| 100-51-6  | Benzyl Alcohol              | ND     | 170 | 59  | ug/kg |   |
| 91-58-7   | 2-Chloronaphthalene         | ND     | 170 | 46  | ug/kg |   |
| 106-47-8  | 4-Chloroaniline             | ND     | 170 | 47  | ug/kg |   |
| 86-74-8   | Carbazole                   | ND     | 170 | 72  | ug/kg |   |
| 218-01-9  | Chrysene                    | ND     | 170 | 55  | ug/kg |   |
| 111-91-1  | bis(2-Chloroethoxy)methane  | ND     | 170 | 62  | ug/kg |   |
| 111-44-4  | bis(2-Chloroethyl)ether     | ND     | 170 | 36  | ug/kg |   |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND     | 170 | 51  | ug/kg |   |
| 95-50-1   | 1,2-Dichlorobenzene         | ND     | 170 | 57  | ug/kg |   |
| 541-73-1  | 1,3-Dichlorobenzene         | ND     | 170 | 52  | ug/kg |   |
| 106-46-7  | 1,4-Dichlorobenzene         | ND     | 170 | 46  | ug/kg |   |

## Method Blank Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| OP8734-MB | H24900.D | 1  | 12/19/07 | SC | 12/18/07  | OP8734     | EH1396           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-10

| CAS No.  | Compound                       | Result | RL  | MDL | Units | Q |
|----------|--------------------------------|--------|-----|-----|-------|---|
| 121-14-2 | 2,4-Dinitrotoluene             | ND     | 170 | 73  | ug/kg |   |
| 606-20-2 | 2,6-Dinitrotoluene             | ND     | 170 | 43  | ug/kg |   |
| 91-94-1  | 3,3'-Dichlorobenzidine         | ND     | 330 | 68  | ug/kg |   |
| 57-97-6  | 7,12-Dimethylbenz(a)anthracene | ND     | 170 | 170 | ug/kg |   |
| 226-36-8 | Dibenz(a,h)acridine            | ND     | 170 | 170 | ug/kg |   |
| 53-70-3  | Dibenzo(a,h)anthracene         | ND     | 170 | 58  | ug/kg |   |
| 132-64-9 | Dibenzofuran                   | ND     | 170 | 46  | ug/kg |   |
| 122-39-4 | Diphenylamine                  | ND     | 170 | 73  | ug/kg |   |
| 84-74-2  | Di-n-butyl phthalate           | ND     | 170 | 82  | ug/kg |   |
| 117-84-0 | Di-n-octyl phthalate           | ND     | 170 | 150 | ug/kg |   |
| 84-66-2  | Diethyl phthalate              | ND     | 170 | 46  | ug/kg |   |
| 131-11-3 | Dimethyl phthalate             | ND     | 170 | 41  | ug/kg |   |
| 117-81-7 | bis(2-Ethylhexyl)phthalate     | ND     | 170 | 83  | ug/kg |   |
| 206-44-0 | Fluoranthene                   | ND     | 170 | 75  | ug/kg |   |
| 86-73-7  | Fluorene                       | ND     | 170 | 51  | ug/kg |   |
| 118-74-1 | Hexachlorobenzene              | ND     | 170 | 55  | ug/kg |   |
| 87-68-3  | Hexachlorobutadiene            | ND     | 170 | 51  | ug/kg |   |
| 77-47-4  | Hexachlorocyclopentadiene      | ND     | 170 | 60  | ug/kg |   |
| 67-72-1  | Hexachloroethane               | ND     | 170 | 49  | ug/kg |   |
| 95-13-6  | Indene                         | ND     | 830 | 830 | ug/kg |   |
| 193-39-5 | Indeno(1,2,3-cd)pyrene         | ND     | 170 | 65  | ug/kg |   |
| 78-59-1  | Isophorone                     | ND     | 170 | 44  | ug/kg |   |
| 90-12-0  | 1-Methylnaphthalene            | ND     | 170 | 40  | ug/kg |   |
| 91-57-6  | 2-Methylnaphthalene            | ND     | 170 | 44  | ug/kg |   |
|          | 6-Methyl Chrysene              | ND     | 170 | 170 | ug/kg |   |
| 88-74-4  | 2-Nitroaniline                 | ND     | 170 | 43  | ug/kg |   |
| 99-09-2  | 3-Nitroaniline                 | ND     | 170 | 62  | ug/kg |   |
| 100-01-6 | 4-Nitroaniline                 | ND     | 170 | 91  | ug/kg |   |
| 91-20-3  | Naphthalene                    | ND     | 170 | 40  | ug/kg |   |
| 98-95-3  | Nitrobenzene                   | ND     | 170 | 47  | ug/kg |   |
| 621-64-7 | N-Nitroso-di-n-propylamine     | ND     | 170 | 67  | ug/kg |   |
| 86-30-6  | N-Nitrosodiphenylamine         | ND     | 170 | 73  | ug/kg |   |
| 85-01-8  | Phenanthrene                   | ND     | 170 | 62  | ug/kg |   |
| 129-00-0 | Pyrene                         | ND     | 170 | 81  | ug/kg |   |
| 91-22-5  | Quinoline                      | ND     | 170 | 170 | ug/kg |   |
| 120-82-1 | 1,2,4-Trichlorobenzene         | ND     | 170 | 44  | ug/kg |   |

## Method Blank Summary

Job Number: T20073  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| OP8734-MB | H24900.D | 1  | 12/19/07 | SC | 12/18/07  | OP8734     | EH1396           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-10

| CAS No.  | Compound                | Result | RL  | MDL | Units | Q |
|----------|-------------------------|--------|-----|-----|-------|---|
|          | 1,3&1,4-Cyclohexanediol | ND     | 170 | 170 | ug/kg |   |
| 931-17-9 | 1,2-Cyclohexanediol     | ND     | 170 | 170 | ug/kg |   |
| 98-85-1  | 1-Phenylethanol         | ND     | 170 | 170 | ug/kg |   |

| CAS No.   | Surrogate Recoveries | Limits |         |
|-----------|----------------------|--------|---------|
| 367-12-4  | 2-Fluorophenol       | 71%    | 26-124% |
| 4165-62-2 | Phenol-d5            | 76%    | 19-106% |
| 118-79-6  | 2,4,6-Tribromophenol | 86%    | 18-129% |
| 4165-60-0 | Nitrobenzene-d5      | 75%    | 18-104% |
| 321-60-8  | 2-Fluorobiphenyl     | 73%    | 21-114% |
| 1718-51-0 | Terphenyl-d14        | 75%    | 24-149% |

6.1  
6

# Method Blank Summary

Job Number: T20073  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| OP8714-MB | A24894.D | 1  | 12/17/07 | SC | 12/14/07  | OP8714     | EA1544           |

The QC reported here applies to the following samples:

Method: SW846 8270C BY SIM

T20073-5, T20073-7, T20073-9, T20073-11, T20073-14

| CAS No.  | Compound             | Result | RL   | MDL   | Units | Q |
|----------|----------------------|--------|------|-------|-------|---|
| 56-55-3  | Benzo(a)anthracene   | ND     | 0.20 | 0.055 | ug/l  |   |
| 50-32-8  | Benzo(a)pyrene       | ND     | 0.20 | 0.099 | ug/l  |   |
| 205-99-2 | Benzo(b)fluoranthene | ND     | 0.20 | 0.056 | ug/l  |   |
| 207-08-9 | Benzo(k)fluoranthene | ND     | 0.20 | 0.046 | ug/l  |   |

| CAS No.   | Surrogate Recoveries | Limits      |
|-----------|----------------------|-------------|
| 4165-60-0 | Nitrobenzene-d5      | 68% 35-114% |
| 321-60-8  | 2-Fluorobiphenyl     | 71% 43-116% |
| 1718-51-0 | Terphenyl-d14        | 89% 33-141% |

6.1  
6

# Blank Spike Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| OP8697-BS | H24771.D | 1  | 12/13/07 | SC | 12/12/07  | OP8697     | EH1391           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8, T20073-12, T20073-13

| CAS No.   | Compound                    | Spike<br>ug/kg | BSP<br>ug/kg | BSP<br>% | Limits |
|-----------|-----------------------------|----------------|--------------|----------|--------|
| 65-85-0   | Benzoic acid                | 1670           | 623          | 37       | 16-113 |
| 95-57-8   | 2-Chlorophenol              | 1670           | 1340         | 80       | 48-112 |
| 59-50-7   | 4-Chloro-3-methyl phenol    | 1670           | 1480         | 89       | 55-115 |
| 120-83-2  | 2,4-Dichlorophenol          | 1670           | 1410         | 85       | 53-110 |
| 105-67-9  | 2,4-Dimethylphenol          | 1670           | 1280         | 77       | 41-105 |
| 51-28-5   | 2,4-Dinitrophenol           | 1670           | 1480         | 89       | 10-140 |
| 534-52-1  | 4,6-Dinitro-o-cresol        | 1670           | 1450         | 87       | 37-122 |
| 95-48-7   | 2-Methylphenol              | 1670           | 1300         | 78       | 47-112 |
|           | 3&4-Methylphenol            | 3330           | 2470         | 74       | 47-115 |
| 100-02-7  | 4-Nitrophenol               | 1670           | 1430         | 86       | 22-130 |
| 87-86-5   | Pentachlorophenol           | 1670           | 1740         | 104      | 47-135 |
| 108-95-2  | Phenol                      | 1670           | 1350         | 81       | 44-115 |
| 95-95-4   | 2,4,5-Trichlorophenol       | 1670           | 1470         | 88       | 47-123 |
| 88-06-2   | 2,4,6-Trichlorophenol       | 1670           | 1440         | 86       | 52-117 |
| 83-32-9   | Acenaphthene                | 1670           | 1340         | 80       | 50-115 |
| 208-96-8  | Acenaphthylene              | 1670           | 1630         | 98       | 59-127 |
| 120-12-7  | Anthracene                  | 1670           | 1520         | 91       | 58-117 |
| 56-55-3   | Benzo(a)anthracene          | 1670           | 1640         | 98       | 62-114 |
| 50-32-8   | Benzo(a)pyrene              | 1670           | 1610         | 97       | 59-117 |
| 205-99-2  | Benzo(b)fluoranthene        | 1670           | 1460         | 88       | 51-123 |
| 191-24-2  | Benzo(g,h,i)perylene        | 1670           | 1620         | 97       | 35-141 |
| 207-08-9  | Benzo(k)fluoranthene        | 1670           | 1480         | 89       | 53-130 |
| 101-55-3  | 4-Bromophenyl phenyl ether  | 1670           | 1500         | 90       | 60-118 |
| 85-68-7   | Butyl benzyl phthalate      | 1670           | 1670         | 100      | 56-126 |
| 100-51-6  | Benzyl Alcohol              | 1670           | 1330         | 80       | 48-112 |
| 91-58-7   | 2-Chloronaphthalene         | 1670           | 1390         | 83       | 52-119 |
| 106-47-8  | 4-Chloroaniline             | 1670           | 1300         | 78       | 12-110 |
| 86-74-8   | Carbazole                   | 1670           | 1380         | 83       | 44-151 |
| 218-01-9  | Chrysene                    | 1670           | 1670         | 100      | 63-112 |
| 111-91-1  | bis(2-Chloroethoxy)methane  | 1670           | 1320         | 79       | 47-111 |
| 111-44-4  | bis(2-Chloroethyl)ether     | 1670           | 1400         | 84       | 42-112 |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | 1670           | 1520         | 91       | 56-122 |
| 95-50-1   | 1,2-Dichlorobenzene         | 1670           | 1270         | 76       | 48-112 |
| 541-73-1  | 1,3-Dichlorobenzene         | 1670           | 1270         | 76       | 50-110 |
| 106-46-7  | 1,4-Dichlorobenzene         | 1670           | 1270         | 76       | 49-112 |
| 121-14-2  | 2,4-Dinitrotoluene          | 1670           | 1650         | 99       | 56-127 |

6.2  
6

# Blank Spike Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| OP8697-BS | H24771.D | 1  | 12/13/07 | SC | 12/12/07  | OP8697     | EH1391           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8, T20073-12, T20073-13

| CAS No.  | Compound                   | Spike<br>ug/kg | BSP<br>ug/kg | BSP<br>% | Limits |
|----------|----------------------------|----------------|--------------|----------|--------|
| 606-20-2 | 2,6-Dinitrotoluene         | 1670           | 1430         | 86       | 61-121 |
| 91-94-1  | 3,3'-Dichlorobenzidine     | 1670           | 1980         | 119      | 33-182 |
| 53-70-3  | Dibenzo(a,h)anthracene     | 1670           | 1940         | 116      | 40-139 |
| 132-64-9 | Dibenzofuran               | 1670           | 1400         | 84       | 56-120 |
| 122-39-4 | Diphenylamine              | 1670           | 1550         | 93       | 62-147 |
| 84-74-2  | Di-n-butyl phthalate       | 1670           | 1590         | 95       | 60-120 |
| 117-84-0 | Di-n-octyl phthalate       | 1670           | 1340         | 80       | 41-142 |
| 84-66-2  | Diethyl phthalate          | 1670           | 1540         | 92       | 60-126 |
| 131-11-3 | Dimethyl phthalate         | 1670           | 1520         | 91       | 61-121 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1670           | 1630         | 98       | 55-130 |
| 206-44-0 | Fluoranthene               | 1670           | 1630         | 98       | 56-123 |
| 86-73-7  | Fluorene                   | 1670           | 1420         | 85       | 54-118 |
| 118-74-1 | Hexachlorobenzene          | 1670           | 1560         | 94       | 61-117 |
| 87-68-3  | Hexachlorobutadiene        | 1670           | 1350         | 81       | 45-114 |
| 77-47-4  | Hexachlorocyclopentadiene  | 1670           | 1600         | 96       | 11-136 |
| 67-72-1  | Hexachloroethane           | 1670           | 1210         | 73       | 47-118 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene     | 1670           | 1650         | 99       | 37-136 |
| 78-59-1  | Isophorone                 | 1670           | 1370         | 82       | 51-115 |
| 90-12-0  | 1-Methylnaphthalene        | 1670           | 1250         | 75       | 50-106 |
| 91-57-6  | 2-Methylnaphthalene        | 1670           | 1280         | 77       | 49-114 |
| 88-74-4  | 2-Nitroaniline             | 1670           | 1520         | 91       | 52-126 |
| 99-09-2  | 3-Nitroaniline             | 1670           | 1590         | 95       | 35-151 |
| 100-01-6 | 4-Nitroaniline             | 1670           | 2820         | 169      | 65-180 |
| 91-20-3  | Naphthalene                | 1670           | 1300         | 78       | 49-111 |
| 98-95-3  | Nitrobenzene               | 1670           | 1370         | 82       | 47-117 |
| 621-64-7 | N-Nitroso-di-n-propylamine | 1670           | 1470         | 88       | 44-119 |
| 86-30-6  | N-Nitrosodiphenylamine     | 1670           | 1550         | 93       | 63-147 |
| 85-01-8  | Phenanthrene               | 1670           | 1490         | 89       | 60-117 |
| 129-00-0 | Pyrene                     | 1670           | 1550         | 93       | 53-124 |
| 120-82-1 | 1,2,4-Trichlorobenzene     | 1670           | 1330         | 80       | 52-116 |

| CAS No.   | Surrogate Recoveries | BSP | Limits  |
|-----------|----------------------|-----|---------|
| 367-12-4  | 2-Fluorophenol       | 80% | 26-124% |
| 4165-62-2 | Phenol-d5            | 82% | 19-106% |

# Blank Spike Summary

Job Number: T20073  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| OP8697-BS | H24771.D | 1  | 12/13/07 | SC | 12/12/07  | OP8697     | EH1391           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8, T20073-12, T20073-13

| CAS No.   | Surrogate Recoveries | BSP | Limits  |
|-----------|----------------------|-----|---------|
| 118-79-6  | 2,4,6-Tribromophenol | 93% | 18-129% |
| 4165-60-0 | Nitrobenzene-d5      | 78% | 18-104% |
| 321-60-8  | 2-Fluorobiphenyl     | 77% | 21-114% |
| 1718-51-0 | Terphenyl-d14        | 93% | 24-149% |

6.2  
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# Blank Spike Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| OP8713-BS | H24810.D | 1  | 12/14/07 | SC | 12/14/07  | OP8713     | EH1393           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-5, T20073-7, T20073-9, T20073-11, T20073-14

| CAS No.   | Compound                    | Spike<br>ug/l | BSP<br>ug/l | BSP<br>% | Limits |
|-----------|-----------------------------|---------------|-------------|----------|--------|
| 65-85-0   | Benzoic Acid                | 50            | 20.6        | 41       | 10-51  |
| 95-57-8   | 2-Chlorophenol              | 50            | 31.6        | 63       | 47-87  |
| 59-50-7   | 4-Chloro-3-methyl phenol    | 50            | 35.0        | 70       | 43-109 |
| 120-83-2  | 2,4-Dichlorophenol          | 50            | 34.0        | 68       | 42-106 |
| 105-67-9  | 2,4-Dimethylphenol          | 50            | 26.5        | 53       | 37-100 |
| 51-28-5   | 2,4-Dinitrophenol           | 50            | 28.5        | 57       | 23-113 |
| 534-52-1  | 4,6-Dinitro-o-cresol        | 50            | 30.5        | 61       | 30-115 |
| 95-48-7   | 2-Methylphenol              | 50            | 26.9        | 54       | 31-95  |
|           | 3&4-Methylphenol            | 100           | 47.3        | 47       | 38-78  |
| 100-02-7  | 4-Nitrophenol               | 50            | 14.1        | 28       | 13-52  |
| 87-86-5   | Pentachlorophenol           | 50            | 33.6        | 67       | 42-129 |
| 108-95-2  | Phenol                      | 50            | 15.3        | 31       | 10-53  |
| 95-95-4   | 2,4,5-Trichlorophenol       | 50            | 33.6        | 67       | 40-116 |
| 88-06-2   | 2,4,6-Trichlorophenol       | 50            | 33.4        | 67       | 43-113 |
| 83-32-9   | Acenaphthene                | 50            | 30.1        | 60       | 41-110 |
| 208-96-8  | Acenaphthylene              | 50            | 36.7        | 73       | 50-123 |
| 120-12-7  | Anthracene                  | 50            | 36.3        | 73       | 64-107 |
| 56-55-3   | Benzo(a)anthracene          | 50            | 38.6        | 77       | 57-112 |
| 50-32-8   | Benzo(a)pyrene              | 50            | 40.2        | 80       | 50-120 |
| 205-99-2  | Benzo(b)fluoranthene        | 50            | 39.7        | 79       | 43-119 |
| 191-24-2  | Benzo(g,h,i)perylene        | 50            | 45.6        | 91       | 31-139 |
| 207-08-9  | Benzo(k)fluoranthene        | 50            | 42.5        | 85       | 47-122 |
| 101-55-3  | 4-Bromophenyl phenyl ether  | 50            | 34.5        | 69       | 52-115 |
| 85-68-7   | Butyl benzyl phthalate      | 50            | 39.9        | 80       | 38-132 |
| 100-51-6  | Benzyl Alcohol              | 50            | 29.4        | 59       | 20-97  |
| 91-58-7   | 2-Chloronaphthalene         | 50            | 29.2        | 58       | 40-115 |
| 106-47-8  | 4-Chloroaniline             | 50            | 34.5        | 69       | 26-131 |
| 86-74-8   | Carbazole                   | 50            | 35.9        | 72       | 39-155 |
| 218-01-9  | Chrysene                    | 50            | 39.7        | 79       | 55-112 |
| 111-91-1  | bis(2-Chloroethoxy)methane  | 50            | 33.6        | 67       | 45-108 |
| 111-44-4  | bis(2-Chloroethyl)ether     | 50            | 32.3        | 65       | 41-107 |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | 50            | 33.8        | 68       | 47-118 |
| 95-50-1   | 1,2-Dichlorobenzene         | 50            | 23.5        | 47       | 36-98  |
| 541-73-1  | 1,3-Dichlorobenzene         | 50            | 23.3        | 47       | 37-94  |
| 106-46-7  | 1,4-Dichlorobenzene         | 50            | 23.7        | 47       | 38-95  |
| 121-14-2  | 2,4-Dinitrotoluene          | 50            | 40.9        | 82       | 46-125 |

6.2  
6

# Blank Spike Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| OP8713-BS | H24810.D | 1  | 12/14/07 | SC | 12/14/07  | OP8713     | EH1393           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-5, T20073-7, T20073-9, T20073-11, T20073-14

| CAS No.  | Compound                   | Spike ug/l | BSP ug/l | BSP % | Limits |
|----------|----------------------------|------------|----------|-------|--------|
| 606-20-2 | 2,6-Dinitrotoluene         | 50         | 34.8     | 70    | 54-118 |
| 91-94-1  | 3,3'-Dichlorobenzidine     | 50         | 53.4     | 107   | 62-153 |
| 53-70-3  | Dibenzo(a,h)anthracene     | 50         | 48.9     | 98    | 37-136 |
| 132-64-9 | Dibenzofuran               | 50         | 31.4     | 63    | 41-122 |
| 122-39-4 | Diphenylamine              | 50         | 36.9     | 74    | 50-157 |
| 84-74-2  | Di-n-butyl phthalate       | 50         | 37.5     | 75    | 50-120 |
| 117-84-0 | Di-n-octyl phthalate       | 50         | 45.4     | 91    | 36-132 |
| 84-66-2  | Diethyl phthalate          | 50         | 37.4     | 75    | 49-120 |
| 131-11-3 | Dimethyl phthalate         | 50         | 37.0     | 74    | 53-119 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 50         | 41.9     | 84    | 50-128 |
| 206-44-0 | Fluoranthene               | 50         | 38.0     | 76    | 48-119 |
| 86-73-7  | Fluorene                   | 50         | 31.7     | 63    | 44-116 |
| 118-74-1 | Hexachlorobenzene          | 50         | 35.7     | 71    | 53-117 |
| 87-68-3  | Hexachlorobutadiene        | 50         | 23.2     | 46    | 27-100 |
| 77-47-4  | Hexachlorocyclopentadiene  | 50         | 18.6     | 37    | 10-108 |
| 67-72-1  | Hexachloroethane           | 50         | 20.7     | 41    | 35-96  |
| 193-39-5 | Indeno(1,2,3-cd)pyrene     | 50         | 46.5     | 93    | 34-135 |
| 78-59-1  | Isophorone                 | 50         | 34.6     | 69    | 49-110 |
| 90-12-0  | 1-Methylnaphthalene        | 50         | 25.6     | 51    | 40-99  |
| 91-57-6  | 2-Methylnaphthalene        | 50         | 25.7     | 51    | 38-108 |
| 88-74-4  | 2-Nitroaniline             | 50         | 36.5     | 73    | 46-122 |
| 99-09-2  | 3-Nitroaniline             | 50         | 39.8     | 80    | 42-156 |
| 100-01-6 | 4-Nitroaniline             | 50         | 71.7     | 143   | 60-218 |
| 91-20-3  | Naphthalene                | 50         | 26.4     | 53    | 41-100 |
| 98-95-3  | Nitrobenzene               | 50         | 33.7     | 67    | 47-107 |
| 621-64-7 | N-Nitroso-di-n-propylamine | 50         | 37.6     | 75    | 43-115 |
| 86-30-6  | N-Nitrosodiphenylamine     | 50         | 36.9     | 74    | 50-157 |
| 85-01-8  | Phenanthrene               | 50         | 34.6     | 69    | 55-112 |
| 129-00-0 | Pyrene                     | 50         | 37.2     | 74    | 43-126 |
| 120-82-1 | 1,2,4-Trichlorobenzene     | 50         | 25.5     | 51    | 35-104 |

| CAS No.   | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|-----|--------|
| 367-12-4  | 2-Fluorophenol       | 42% | 10-66% |
| 4165-62-2 | Phenol-d5            | 30% | 10-53% |

6.2  
6

# Blank Spike Summary

Job Number: T20073  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| OP8713-BS | H24810.D | 1  | 12/14/07 | SC | 12/14/07  | OP8713     | EH1393           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-5, T20073-7, T20073-9, T20073-11, T20073-14

| CAS No.   | Surrogate Recoveries | BSP | Limits  |
|-----------|----------------------|-----|---------|
| 118-79-6  | 2,4,6-Tribromophenol | 72% | 32-128% |
| 4165-60-0 | Nitrobenzene-d5      | 67% | 29-115% |
| 321-60-8  | 2-Fluorobiphenyl     | 61% | 34-113% |
| 1718-51-0 | Terphenyl-d14        | 75% | 12-145% |

6.2  
9

# Blank Spike Summary

Job Number: T20073  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| OP8734-BS | H24901.D | 1  | 12/19/07 | SC | 12/18/07  | OP8734     | EH1396           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-10

| CAS No.   | Compound                    | Spike<br>ug/kg | BSP<br>ug/kg | BSP<br>% | Limits |
|-----------|-----------------------------|----------------|--------------|----------|--------|
| 65-85-0   | Benzoic acid                | 1670           | 1200         | 72       | 16-113 |
| 95-57-8   | 2-Chlorophenol              | 1670           | 1100         | 66       | 48-112 |
| 59-50-7   | 4-Chloro-3-methyl phenol    | 1670           | 1170         | 70       | 55-115 |
| 120-83-2  | 2,4-Dichlorophenol          | 1670           | 1060         | 64       | 53-110 |
| 105-67-9  | 2,4-Dimethylphenol          | 1670           | 1020         | 61       | 41-105 |
| 51-28-5   | 2,4-Dinitrophenol           | 1670           | 1430         | 86       | 10-140 |
| 534-52-1  | 4,6-Dinitro-o-cresol        | 1670           | 1380         | 83       | 37-122 |
| 95-48-7   | 2-Methylphenol              | 1670           | 1080         | 65       | 47-112 |
|           | 3&4-Methylphenol            | 3330           | 1990         | 60       | 47-115 |
| 100-02-7  | 4-Nitrophenol               | 1670           | 1420         | 85       | 22-130 |
| 87-86-5   | Pentachlorophenol           | 1670           | 1660         | 100      | 47-135 |
| 108-95-2  | Phenol                      | 1670           | 1090         | 65       | 44-115 |
| 95-95-4   | 2,4,5-Trichlorophenol       | 1670           | 1100         | 66       | 47-123 |
| 88-06-2   | 2,4,6-Trichlorophenol       | 1670           | 1090         | 65       | 52-117 |
| 83-32-9   | Acenaphthene                | 1670           | 1000         | 60       | 50-115 |
| 208-96-8  | Acenaphthylene              | 1670           | 1250         | 75       | 59-127 |
| 120-12-7  | Anthracene                  | 1670           | 1290         | 77       | 58-117 |
| 56-55-3   | Benzo(a)anthracene          | 1670           | 1380         | 83       | 62-114 |
| 50-32-8   | Benzo(a)pyrene              | 1670           | 1390         | 83       | 59-117 |
| 205-99-2  | Benzo(b)fluoranthene        | 1670           | 1340         | 80       | 51-123 |
| 191-24-2  | Benzo(g,h,i)perylene        | 1670           | 1510         | 91       | 35-141 |
| 207-08-9  | Benzo(k)fluoranthene        | 1670           | 1570         | 94       | 53-130 |
| 101-55-3  | 4-Bromophenyl phenyl ether  | 1670           | 1260         | 76       | 60-118 |
| 85-68-7   | Butyl benzyl phthalate      | 1670           | 1400         | 84       | 56-126 |
| 100-51-6  | Benzyl Alcohol              | 1670           | 1100         | 66       | 48-112 |
| 91-58-7   | 2-Chloronaphthalene         | 1670           | 1050         | 63       | 52-119 |
| 106-47-8  | 4-Chloroaniline             | 1670           | 897          | 54       | 12-110 |
| 86-74-8   | Carbazole                   | 1670           | 1270         | 76       | 44-151 |
| 218-01-9  | Chrysene                    | 1670           | 1390         | 83       | 63-112 |
| 111-91-1  | bis(2-Chloroethoxy)methane  | 1670           | 1090         | 65       | 47-111 |
| 111-44-4  | bis(2-Chloroethyl)ether     | 1670           | 1000         | 60       | 42-112 |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | 1670           | 1210         | 73       | 56-122 |
| 95-50-1   | 1,2-Dichlorobenzene         | 1670           | 1100         | 66       | 48-112 |
| 541-73-1  | 1,3-Dichlorobenzene         | 1670           | 1070         | 64       | 50-110 |
| 106-46-7  | 1,4-Dichlorobenzene         | 1670           | 1080         | 65       | 49-112 |
| 121-14-2  | 2,4-Dinitrotoluene          | 1670           | 1360         | 82       | 56-127 |

# Blank Spike Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| OP8734-BS | H24901.D | 1  | 12/19/07 | SC | 12/18/07  | OP8734     | EH1396           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-10

| CAS No.  | Compound                   | Spike<br>ug/kg | BSP<br>ug/kg | BSP<br>% | Limits |
|----------|----------------------------|----------------|--------------|----------|--------|
| 606-20-2 | 2,6-Dinitrotoluene         | 1670           | 1200         | 72       | 61-121 |
| 91-94-1  | 3,3'-Dichlorobenzidine     | 1670           | 1390         | 83       | 33-182 |
| 53-70-3  | Dibenzo(a,h)anthracene     | 1670           | 1430         | 86       | 40-139 |
| 132-64-9 | Dibenzofuran               | 1670           | 1080         | 65       | 56-120 |
| 122-39-4 | Diphenylamine              | 1670           | 1360         | 82       | 62-147 |
| 84-74-2  | Di-n-butyl phthalate       | 1670           | 1370         | 82       | 60-120 |
| 117-84-0 | Di-n-octyl phthalate       | 1670           | 1310         | 79       | 41-142 |
| 84-66-2  | Diethyl phthalate          | 1670           | 1310         | 79       | 60-126 |
| 131-11-3 | Dimethyl phthalate         | 1670           | 1250         | 75       | 61-121 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1670           | 1540         | 92       | 55-130 |
| 206-44-0 | Fluoranthene               | 1670           | 1400         | 84       | 56-123 |
| 86-73-7  | Fluorene                   | 1670           | 1130         | 68       | 54-118 |
| 118-74-1 | Hexachlorobenzene          | 1670           | 1310         | 79       | 61-117 |
| 87-68-3  | Hexachlorobutadiene        | 1670           | 1120         | 67       | 45-114 |
| 77-47-4  | Hexachlorocyclopentadiene  | 1670           | 1320         | 79       | 11-136 |
| 67-72-1  | Hexachloroethane           | 1670           | 1050         | 63       | 47-118 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene     | 1670           | 1500         | 90       | 37-136 |
| 78-59-1  | Isophorone                 | 1670           | 1110         | 67       | 51-115 |
| 90-12-0  | 1-Methylnaphthalene        | 1670           | 955          | 57       | 50-106 |
| 91-57-6  | 2-Methylnaphthalene        | 1670           | 998          | 60       | 49-114 |
| 88-74-4  | 2-Nitroaniline             | 1670           | 1230         | 74       | 52-126 |
| 99-09-2  | 3-Nitroaniline             | 1670           | 1340         | 80       | 35-151 |
| 100-01-6 | 4-Nitroaniline             | 1670           | 1990         | 119      | 65-180 |
| 91-20-3  | Naphthalene                | 1670           | 1010         | 61       | 49-111 |
| 98-95-3  | Nitrobenzene               | 1670           | 1130         | 68       | 47-117 |
| 621-64-7 | N-Nitroso-di-n-propylamine | 1670           | 1260         | 76       | 44-119 |
| 86-30-6  | N-Nitrosodiphenylamine     | 1670           | 1360         | 82       | 63-147 |
| 85-01-8  | Phenanthrene               | 1670           | 1290         | 77       | 60-117 |
| 129-00-0 | Pyrene                     | 1670           | 1230         | 74       | 53-124 |
| 120-82-1 | 1,2,4-Trichlorobenzene     | 1670           | 1090         | 65       | 52-116 |

| CAS No.   | Surrogate Recoveries | BSP | Limits  |
|-----------|----------------------|-----|---------|
| 367-12-4  | 2-Fluorophenol       | 61% | 26-124% |
| 4165-62-2 | Phenol-d5            | 64% | 19-106% |

# Blank Spike Summary

Job Number: T20073  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| OP8734-BS | H24901.D | 1  | 12/19/07 | SC | 12/18/07  | OP8734     | EH1396           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-10

| CAS No.   | Surrogate Recoveries | BSP | Limits  |
|-----------|----------------------|-----|---------|
| 118-79-6  | 2,4,6-Tribromophenol | 79% | 18-129% |
| 4165-60-0 | Nitrobenzene-d5      | 62% | 18-104% |
| 321-60-8  | 2-Fluorobiphenyl     | 57% | 21-114% |
| 1718-51-0 | Terphenyl-d14        | 72% | 24-149% |

6.2  
9

# Blank Spike/Blank Spike Duplicate Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample     | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| OP8714-BS  | A24895.D | 1  | 12/17/07 | SC | 12/14/07  | OP8714     | EA1544           |
| OP8714-BSD | A24896.D | 1  | 12/17/07 | SC | 12/14/07  | OP8714     | EA1544           |

The QC reported here applies to the following samples:

Method: SW846 8270C BY SIM

T20073-5, T20073-7, T20073-9, T20073-11, T20073-14

| CAS No.  | Compound             | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|----------|----------------------|------------|----------|-------|----------|-------|-----|----------------|
| 56-55-3  | Benzo(a)anthracene   | 5          | 4.6      | 92    | 4.7      | 94    | 2   | 42-131/30      |
| 50-32-8  | Benzo(a)pyrene       | 5          | 4.9      | 98    | 4.9      | 98    | 0   | 34-129/30      |
| 205-99-2 | Benzo(b)fluoranthene | 5          | 5.9      | 118   | 4.7      | 94    | 23  | 29-141/30      |
| 207-08-9 | Benzo(k)fluoranthene | 5          | 4.2      | 84    | 5.3      | 106   | 23  | 40-128/30      |

| CAS No.   | Surrogate Recoveries | BSP  | BSD  | Limits  |
|-----------|----------------------|------|------|---------|
| 4165-60-0 | Nitrobenzene-d5      | 82%  | 87%  | 35-114% |
| 321-60-8  | 2-Fluorobiphenyl     | 97%  | 104% | 43-116% |
| 1718-51-0 | Terphenyl-d14        | 129% | 129% | 33-141% |

6.3  
6

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample     | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| OP8697-MS  | H24778.D | 1  | 12/13/07 | SC | 12/12/07  | OP8697     | EH1391           |
| OP8697-MSD | H24779.D | 1  | 12/14/07 | SC | 12/12/07  | OP8697     | EH1391           |
| T20073-1   | H24775.D | 1  | 12/13/07 | SC | 12/12/07  | OP8697     | EH1391           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8, T20073-12, T20073-13

| CAS No.   | Compound                    | T20073-1<br>ug/kg | Spike<br>Q | MS<br>ug/kg | MS<br>% | MSD<br>ug/kg | MSD<br>% | RPD | Limits<br>Rec/RPD |           |
|-----------|-----------------------------|-------------------|------------|-------------|---------|--------------|----------|-----|-------------------|-----------|
| 95-57-8   | 2-Chlorophenol              | 190 U             |            | 1970        | 1620    | 82           | 1640     | 84  | 1                 | 33-109/27 |
| 59-50-7   | 4-Chloro-3-methyl phenol    | 190 U             |            | 1970        | 1740    | 88           | 1770     | 91  | 2                 | 44-118/22 |
| 120-83-2  | 2,4-Dichlorophenol          | 190 U             |            | 1970        | 1670    | 85           | 1690     | 87  | 1                 | 34-117/28 |
| 105-67-9  | 2,4-Dimethylphenol          | 190 U             |            | 1970        | 1620    | 82           | 1630     | 84  | 1                 | 37-113/23 |
| 51-28-5   | 2,4-Dinitrophenol           | 970 U             |            | 1970        | 1270    | 64           | 1360     | 70  | 7                 | 10-119/25 |
| 534-52-1  | 4,6-Dinitro-o-cresol        | 390 U             |            | 1970        | 1560    | 79           | 1620     | 83  | 4                 | 38-103/26 |
| 95-48-7   | 2-Methylphenol              | 190 U             |            | 1970        | 1600    | 81           | 1650     | 85  | 3                 | 38-109/26 |
|           | 3&4-Methylphenol            | 190 U             |            | 3940        | 2960    | 75           | 3100     | 80  | 5                 | 36-115/26 |
| 100-02-7  | 4-Nitrophenol               | 190 U             |            | 1970        | 1530    | 78           | 1580     | 81  | 3                 | 12-142/27 |
| 87-86-5   | Pentachlorophenol           | 970 U             |            | 1970        | 1910    | 97           | 1940     | 100 | 2                 | 43-134/20 |
| 108-95-2  | Phenol                      | 190 U             |            | 1970        | 1600    | 81           | 1630     | 84  | 2                 | 33-109/23 |
| 95-95-4   | 2,4,5-Trichlorophenol       | 190 U             |            | 1970        | 1670    | 85           | 1710     | 88  | 2                 | 35-123/21 |
| 88-06-2   | 2,4,6-Trichlorophenol       | 190 U             |            | 1970        | 1660    | 84           | 1710     | 88  | 3                 | 31-129/21 |
| 83-32-9   | Acenaphthene                | 190 U             |            | 1970        | 1620    | 82           | 1670     | 86  | 3                 | 39-113/21 |
| 208-96-8  | Acenaphthylene              | 190 U             |            | 1970        | 1930    | 98           | 2000     | 103 | 4                 | 45-125/23 |
| 120-12-7  | Anthracene                  | 190 U             |            | 1970        | 1710    | 87           | 1720     | 88  | 1                 | 41-122/19 |
| 56-55-3   | Benzo(a)anthracene          | 190 U             |            | 1970        | 1720    | 87           | 1820     | 93  | 6                 | 48-114/18 |
| 50-32-8   | Benzo(a)pyrene              | 190 U             |            | 1970        | 1790    | 91           | 1790     | 92  | 0                 | 45-114/20 |
| 205-99-2  | Benzo(b)fluoranthene        | 190 U             |            | 1970        | 1760    | 89           | 1770     | 91  | 1                 | 42-116/23 |
| 191-24-2  | Benzo(g,h,i)perylene        | 190 U             |            | 1970        | 1630    | 83           | 1590     | 82  | 2                 | 22-131/35 |
| 207-08-9  | Benzo(k)fluoranthene        | 190 U             |            | 1970        | 1730    | 88           | 1820     | 93  | 5                 | 39-126/22 |
| 101-55-3  | 4-Bromophenyl phenyl ether  | 190 U             |            | 1970        | 1690    | 86           | 1730     | 89  | 2                 | 38-127/19 |
| 85-68-7   | Butyl benzyl phthalate      | 190 U             |            | 1970        | 1800    | 91           | 1870     | 96  | 4                 | 32-147/24 |
| 100-51-6  | Benzyl Alcohol              | 190 U             |            | 1970        | 1660    | 84           | 1720     | 88  | 4                 | 36-111/26 |
| 91-58-7   | 2-Chloronaphthalene         | 190 U             |            | 1970        | 1660    | 84           | 1720     | 88  | 4                 | 36-119/23 |
| 106-47-8  | 4-Chloroaniline             | 190 U             |            | 1970        | 1490    | 76           | 1510     | 78  | 1                 | 14-114/27 |
| 86-74-8   | Carbazole                   | 190 U             |            | 1970        | 1580    | 80           | 1560     | 80  | 1                 | 27-158/19 |
| 218-01-9  | Chrysene                    | 190 U             |            | 1970        | 1790    | 91           | 1810     | 93  | 1                 | 47-113/19 |
| 111-91-1  | bis(2-Chloroethoxy)methane  | 190 U             |            | 1970        | 1540    | 78           | 1610     | 83  | 4                 | 35-109/25 |
| 111-44-4  | bis(2-Chloroethyl)ether     | 190 U             |            | 1970        | 1640    | 83           | 1540     | 79  | 6                 | 29-109/26 |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | 190 U             |            | 1970        | 1760    | 89           | 1820     | 93  | 3                 | 41-123/21 |
| 95-50-1   | 1,2-Dichlorobenzene         | 190 U             |            | 1970        | 1560    | 79           | 1610     | 83  | 3                 | 23-114/30 |
| 541-73-1  | 1,3-Dichlorobenzene         | 190 U             |            | 1970        | 1580    | 80           | 1640     | 84  | 4                 | 21-112/27 |
| 106-46-7  | 1,4-Dichlorobenzene         | 190 U             |            | 1970        | 1550    | 79           | 1610     | 83  | 4                 | 23-114/27 |
| 121-14-2  | 2,4-Dinitrotoluene          | 190 U             |            | 1970        | 1830    | 93           | 1910     | 98  | 4                 | 42-134/25 |
| 606-20-2  | 2,6-Dinitrotoluene          | 190 U             |            | 1970        | 1680    | 85           | 1710     | 88  | 2                 | 49-119/21 |

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample     | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| OP8697-MS  | H24778.D | 1  | 12/13/07 | SC | 12/12/07  | OP8697     | EH1391           |
| OP8697-MSD | H24779.D | 1  | 12/14/07 | SC | 12/12/07  | OP8697     | EH1391           |
| T20073-1   | H24775.D | 1  | 12/13/07 | SC | 12/12/07  | OP8697     | EH1391           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8, T20073-12, T20073-13

| CAS No.  | Compound                   | T20073-1<br>ug/kg | Spike<br>Q | MS<br>ug/kg | MS<br>% | MSD<br>ug/kg | MSD<br>% | RPD | Limits<br>Rec/RPD |
|----------|----------------------------|-------------------|------------|-------------|---------|--------------|----------|-----|-------------------|
| 91-94-1  | 3,3'-Dichlorobenzidine     | 390 U             | 1970       | 1890        | 96      | 1870         | 96       | 1   | 37-149/27         |
| 53-70-3  | Dibenzo(a,h)anthracene     | 190 U             | 1970       | 1880        | 95      | 1750         | 90       | 7   | 23-135/28         |
| 132-64-9 | Dibenzofuran               | 190 U             | 1970       | 1640        | 83      | 1690         | 87       | 3   | 39-126/19         |
| 122-39-4 | Diphenylamine              | 190 U             | 1970       | 1810        | 92      | 1750         | 90       | 3   | 38-161/25         |
| 84-74-2  | Di-n-butyl phthalate       | 190 U             | 1970       | 1720        | 87      | 1760         | 90       | 2   | 43-124/20         |
| 117-84-0 | Di-n-octyl phthalate       | 190 U             | 1970       | 1710        | 87      | 1790         | 92       | 5   | 22-162/29         |
| 84-66-2  | Diethyl phthalate          | 190 U             | 1970       | 1740        | 88      | 1800         | 92       | 3   | 44-129/21         |
| 131-11-3 | Dimethyl phthalate         | 190 U             | 1970       | 1740        | 88      | 1780         | 91       | 2   | 48-122/16         |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 190 U             | 1970       | 1800        | 91      | 1890         | 97       | 5   | 41-138/24         |
| 206-44-0 | Fluoranthene               | 190 U             | 1970       | 1670        | 85      | 1670         | 86       | 0   | 29-127/24         |
| 86-73-7  | Fluorene                   | 190 U             | 1970       | 1670        | 85      | 1750         | 90       | 5   | 39-122/22         |
| 118-74-1 | Hexachlorobenzene          | 190 U             | 1970       | 1700        | 86      | 1730         | 89       | 2   | 46-119/24         |
| 87-68-3  | Hexachlorobutadiene        | 190 U             | 1970       | 1630        | 83      | 1660         | 85       | 2   | 15-117/26         |
| 77-47-4  | Hexachlorocyclopentadiene  | 190 U             | 1970       | 2000        | 101     | 2250         | 115*     | 12  | 12-103/29         |
| 67-72-1  | Hexachloroethane           | 190 U             | 1970       | 1490        | 76      | 1550         | 80       | 4   | 18-116/30         |
| 193-39-5 | Indeno(1,2,3-cd)pyrene     | 190 U             | 1970       | 1520        | 77      | 1360         | 70       | 11  | 23-127/32         |
| 78-59-1  | Isophorone                 | 190 U             | 1970       | 1690        | 86      | 1730         | 89       | 2   | 36-116/24         |
| 90-12-0  | 1-Methylnaphthalene        | 190 U             | 1970       | 1450        | 74      | 1540         | 79       | 6   | 38-105/25         |
| 91-57-6  | 2-Methylnaphthalene        | 190 U             | 1970       | 1530        | 78      | 1560         | 80       | 2   | 37-113/26         |
| 88-74-4  | 2-Nitroaniline             | 190 U             | 1970       | 1760        | 89      | 1770         | 91       | 1   | 38-131/18         |
| 99-09-2  | 3-Nitroaniline             | 190 U             | 1970       | 1800        | 91      | 1880         | 97       | 4   | 30-144/23         |
| 100-01-6 | 4-Nitroaniline             | 190 U             | 1970       | 2910        | 148     | 3150         | 162      | 8   | 54-196/32         |
| 91-20-3  | Naphthalene                | 190 U             | 1970       | 1530        | 78      | 1560         | 80       | 2   | 28-113/25         |
| 98-95-3  | Nitrobenzene               | 190 U             | 1970       | 1620        | 82      | 1630         | 84       | 1   | 32-113/26         |
| 621-64-7 | N-Nitroso-di-n-propylamine | 190 U             | 1970       | 1700        | 86      | 1780         | 91       | 5   | 34-118/24         |
| 86-30-6  | N-Nitrosodiphenylamine     | 190 U             | 1970       | 1810        | 92      | 1750         | 90       | 3   | 40-157/24         |
| 85-01-8  | Phenanthrene               | 190 U             | 1970       | 1670        | 85      | 1690         | 87       | 1   | 40-121/19         |
| 129-00-0 | Pyrene                     | 190 U             | 1970       | 1810        | 92      | 1860         | 95       | 3   | 32-144/24         |
| 120-82-1 | 1,2,4-Trichlorobenzene     | 190 U             | 1970       | 1620        | 82      | 1670         | 86       | 3   | 25-120/26         |

| CAS No.   | Surrogate Recoveries | MS  | MSD | T20073-1 | Limits  |
|-----------|----------------------|-----|-----|----------|---------|
| 367-12-4  | 2-Fluorophenol       | 81% | 80% | 67%      | 26-124% |
| 4165-62-2 | Phenol-d5            | 81% | 83% | 70%      | 19-106% |
| 118-79-6  | 2,4,6-Tribromophenol | 87% | 90% | 59%      | 18-129% |

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample     | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| OP8697-MS  | H24778.D | 1  | 12/13/07 | SC | 12/12/07  | OP8697     | EH1391           |
| OP8697-MSD | H24779.D | 1  | 12/14/07 | SC | 12/12/07  | OP8697     | EH1391           |
| T20073-1   | H24775.D | 1  | 12/13/07 | SC | 12/12/07  | OP8697     | EH1391           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8, T20073-12, T20073-13

| CAS No.   | Surrogate Recoveries | MS  | MSD | T20073-1 | Limits  |
|-----------|----------------------|-----|-----|----------|---------|
| 4165-60-0 | Nitrobenzene-d5      | 76% | 80% | 63%      | 18-104% |
| 321-60-8  | 2-Fluorobiphenyl     | 74% | 78% | 65%      | 21-114% |
| 1718-51-0 | Terphenyl-d14        | 88% | 92% | 73%      | 24-149% |

6.4  
6

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample     | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| OP8713-MS  | H24824.D | 1  | 12/15/07 | SC | 12/14/07  | OP8713     | EH1393           |
| OP8713-MSD | H24825.D | 1  | 12/15/07 | SC | 12/14/07  | OP8713     | EH1393           |
| T20088-2   | H24823.D | 1  | 12/14/07 | SC | 12/14/07  | OP8713     | EH1393           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-5, T20073-7, T20073-9, T20073-11, T20073-14

| CAS No.   | Compound                    | T20088-2<br>ug/l | Spike<br>Q | MS<br>ug/l | MS<br>% | MSD<br>ug/l | MSD<br>% | RPD | Limits<br>Rec/RPD |           |
|-----------|-----------------------------|------------------|------------|------------|---------|-------------|----------|-----|-------------------|-----------|
| 65-85-0   | Benzoic Acid                | ND               |            | 100        | 51.0    | 51          | 49.6     | 50  | 3                 | 11-85/27  |
| 95-57-8   | 2-Chlorophenol              | ND               |            | 100        | 71.6    | 72          | 73.7     | 74  | 3                 | 36-100/16 |
| 59-50-7   | 4-Chloro-3-methyl phenol    | ND               |            | 100        | 77.2    | 77          | 79.3     | 79  | 3                 | 41-122/24 |
| 120-83-2  | 2,4-Dichlorophenol          | ND               |            | 100        | 73.1    | 73          | 75.4     | 75  | 3                 | 39-113/25 |
| 105-67-9  | 2,4-Dimethylphenol          | ND               |            | 100        | 70.3    | 70          | 76.1     | 76  | 8                 | 35-110/26 |
| 51-28-5   | 2,4-Dinitrophenol           | ND               |            | 100        | 73.9    | 74          | 74.8     | 75  | 1                 | 30-131/44 |
| 534-52-1  | 4,6-Dinitro-o-cresol        | ND               |            | 100        | 71.3    | 71          | 74.9     | 75  | 5                 | 29-126/24 |
| 95-48-7   | 2-Methylphenol              | ND               |            | 100        | 69.3    | 69          | 69.3     | 69  | 0                 | 31-105/31 |
|           | 3&4-Methylphenol            | 1.4              | J          | 200        | 123     | 61          | 125      | 62  | 2                 | 31-106/25 |
| 100-02-7  | 4-Nitrophenol               | ND               |            | 100        | 44.4    | 44          | 41.0     | 41  | 8                 | 21-71/25  |
| 87-86-5   | Pentachlorophenol           | ND               |            | 100        | 87.9    | 88          | 88.6     | 89  | 1                 | 52-144/18 |
| 108-95-2  | Phenol                      | ND               |            | 100        | 51.6    | 52          | 48.1     | 48  | 7                 | 17-75/35  |
| 95-95-4   | 2,4,5-Trichlorophenol       | ND               |            | 100        | 76.1    | 76          | 75.3     | 75  | 1                 | 40-121/22 |
| 88-06-2   | 2,4,6-Trichlorophenol       | ND               |            | 100        | 72.9    | 73          | 76.0     | 76  | 4                 | 42-119/22 |
| 83-32-9   | Acenaphthene                | ND               |            | 100        | 67.0    | 67          | 72.6     | 73  | 8                 | 35-115/21 |
| 208-96-8  | Acenaphthylene              | 1.7              | J          | 100        | 82.9    | 81          | 86.6     | 85  | 4                 | 43-128/23 |
| 120-12-7  | Anthracene                  | ND               |            | 100        | 72.6    | 73          | 76.6     | 77  | 5                 | 40-126/18 |
| 56-55-3   | Benzo(a)anthracene          | ND               |            | 100        | 73.3    | 73          | 76.9     | 77  | 5                 | 50-118/20 |
| 50-32-8   | Benzo(a)pyrene              | ND               |            | 100        | 78.8    | 79          | 80.1     | 80  | 2                 | 48-118/23 |
| 205-99-2  | Benzo(b)fluoranthene        | ND               |            | 100        | 80.8    | 81          | 74.3     | 74  | 8                 | 45-119/22 |
| 191-24-2  | Benzo(g,h,i)perylene        | ND               |            | 100        | 64.6    | 65          | 105      | 105 | 48*               | 24-135/36 |
| 207-08-9  | Benzo(k)fluoranthene        | ND               |            | 100        | 92.6    | 93          | 88.9     | 89  | 4                 | 40-126/30 |
| 101-55-3  | 4-Bromophenyl phenyl ether  | ND               |            | 100        | 73.0    | 73          | 75.8     | 76  | 4                 | 40-125/20 |
| 85-68-7   | Butyl benzyl phthalate      | ND               |            | 100        | 81.0    | 81          | 84.4     | 84  | 4                 | 40-128/25 |
| 100-51-6  | Benzyl Alcohol              | ND               |            | 100        | 72.9    | 73          | 72.5     | 73  | 1                 | 26-110/32 |
| 91-58-7   | 2-Chloronaphthalene         | ND               |            | 100        | 70.4    | 70          | 73.3     | 73  | 4                 | 33-123/27 |
| 106-47-8  | 4-Chloroaniline             | ND               |            | 100        | 69.7    | 70          | 72.1     | 72  | 3                 | 10-119/29 |
| 86-74-8   | Carbazole                   | ND               |            | 100        | 68.7    | 69          | 73.1     | 73  | 6                 | 36-155/19 |
| 218-01-9  | Chrysene                    | ND               |            | 100        | 76.0    | 76          | 78.7     | 79  | 3                 | 46-118/19 |
| 111-91-1  | bis(2-Chloroethoxy)methane  | ND               |            | 100        | 69.5    | 70          | 73.3     | 73  | 5                 | 36-112/30 |
| 111-44-4  | bis(2-Chloroethyl)ether     | ND               |            | 100        | 68.7    | 69          | 63.8     | 64  | 7                 | 34-110/33 |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND               |            | 100        | 74.7    | 75          | 79.4     | 79  | 6                 | 44-124/21 |
| 95-50-1   | 1,2-Dichlorobenzene         | ND               |            | 100        | 58.6    | 59          | 67.3     | 67  | 14                | 29-108/29 |
| 541-73-1  | 1,3-Dichlorobenzene         | ND               |            | 100        | 55.8    | 56          | 67.9     | 68  | 20                | 31-100/32 |
| 106-46-7  | 1,4-Dichlorobenzene         | ND               |            | 100        | 55.5    | 56          | 67.0     | 67  | 19                | 30-104/36 |
| 121-14-2  | 2,4-Dinitrotoluene          | ND               |            | 100        | 82.6    | 83          | 85.5     | 86  | 3                 | 41-128/23 |

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample     | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| OP8713-MS  | H24824.D | 1  | 12/15/07 | SC | 12/14/07  | OP8713     | EH1393           |
| OP8713-MSD | H24825.D | 1  | 12/15/07 | SC | 12/14/07  | OP8713     | EH1393           |
| T20088-2   | H24823.D | 1  | 12/14/07 | SC | 12/14/07  | OP8713     | EH1393           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-5, T20073-7, T20073-9, T20073-11, T20073-14

| CAS No.  | Compound                   | T20088-2<br>ug/l | Spike<br>Q | MS<br>ug/l | MS<br>% | MSD<br>ug/l | MSD<br>% | RPD | Limits<br>Rec/RPD      |
|----------|----------------------------|------------------|------------|------------|---------|-------------|----------|-----|------------------------|
| 606-20-2 | 2,6-Dinitrotoluene         | ND               | 100        | 70.6       | 71      | 73.6        | 74       | 4   | 48-124/23              |
| 91-94-1  | 3,3'-Dichlorobenzidine     | ND               | 100        | 57.9       | 58      | 59.1        | 59       | 2   | 33-142/21              |
| 53-70-3  | Dibenzo(a,h)anthracene     | ND               | 100        | 67.5       | 68      | 94.7        | 95       | 34  | 28-135/37              |
| 132-64-9 | Dibenzofuran               | ND               | 100        | 69.8       | 70      | 72.7        | 73       | 4   | 39-123/20              |
| 122-39-4 | Diphenylamine              | ND               | 100        | 73.9       | 74      | 77.5        | 78       | 5   | 35-163/27              |
| 84-74-2  | Di-n-butyl phthalate       | ND               | 100        | 73.2       | 73      | 75.7        | 76       | 3   | 36-131/16              |
| 117-84-0 | Di-n-octyl phthalate       | ND               | 100        | 108        | 108     | 99.1        | 99       | 9   | 35-140/25              |
| 84-66-2  | Diethyl phthalate          | ND               | 100        | 76.8       | 77      | 78.7        | 79       | 2   | 46-129/20              |
| 131-11-3 | Dimethyl phthalate         | ND               | 100        | 76.0       | 76      | 79.4        | 79       | 4   | 51-121/19              |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND               | 100        | 86.2       | 86      | 89.6        | 90       | 4   | 46-135/19              |
| 206-44-0 | Fluoranthene               | ND               | 100        | 71.2       | 71      | 72.6        | 73       | 2   | 42-124/24              |
| 86-73-7  | Fluorene                   | ND               | 100        | 71.7       | 72      | 74.2        | 74       | 3   | 35-123/22              |
| 118-74-1 | Hexachlorobenzene          | ND               | 100        | 72.9       | 73      | 75.7        | 76       | 4   | 42-128/21              |
| 87-68-3  | Hexachlorobutadiene        | ND               | 100        | 61.2       | 61      | 67.8        | 68       | 10  | 26-102/28              |
| 77-47-4  | Hexachlorocyclopentadiene  | ND               | 100        | 71.3       | 71      | 76.0        | 76       | 6   | 20-107/34              |
| 67-72-1  | Hexachloroethane           | ND               | 100        | 51.9       | 52      | 61.7        | 62       | 17  | 27-107/30              |
| 193-39-5 | Indeno(1,2,3-cd)pyrene     | ND               | 100        | 70.1       | 70      | 102         | 102      | 37* | 28-133/30              |
| 78-59-1  | Isophorone                 | ND               | 100        | 73.8       | 74      | 75.9        | 76       | 3   | 42-112/28              |
| 90-12-0  | 1-Methylnaphthalene        | ND               | 100        | 63.9       | 64      | 66.8        | 67       | 4   | 35-107/25              |
| 91-57-6  | 2-Methylnaphthalene        | ND               | 100        | 65.7       | 66      | 67.1        | 67       | 2   | 32-118/29              |
| 88-74-4  | 2-Nitroaniline             | ND               | 100        | 76.5       | 77      | 78.1        | 78       | 2   | 42-122/22              |
| 99-09-2  | 3-Nitroaniline             | ND               | 100        | 80.1       | 80      | 84.8        | 85       | 6   | 28-145/23              |
| 100-01-6 | 4-Nitroaniline             | ND               | 100        | 143        | 143     | 141         | 141      | 1   | 32-209/24              |
| 91-20-3  | Naphthalene                | 27.7             | 100        | 94.7       | 67      | 105         | 77       | 10  | 36-105/24              |
| 98-95-3  | Nitrobenzene               | ND               | 100        | 71.0       | 71      | 72.6        | 73       | 2   | 37-115/26              |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND               | 100        | 82.6       | 83      | 80.9        | 81       | 2   | 34-122/27              |
| 86-30-6  | N-Nitrosodiphenylamine     | ND               | 100        | 73.9       | 74      | 77.5        | 78       | 5   | 33-165/27              |
| 85-01-8  | Phenanthrene               | ND               | 100        | 70.1       | 70      | 73.5        | 74       | 5   | 49-119/19              |
| 129-00-0 | Pyrene                     | ND               | 100        | 75.9       | 76      | 84.1        | 84       | 10  | 39-128/25              |
| 120-82-1 | 1,2,4-Trichlorobenzene     | ND               | 100        | 65.7       | 66      | 69.9        | 70       | 6   | 30-112/23              |
|          | 1,3&1,4-Cyclohexanediol    | ND               |            |            |         | ND          |          | 0   | 50-150/30 <sup>a</sup> |

| CAS No.  | Surrogate Recoveries | MS  | MSD | T20088-2 | Limits |
|----------|----------------------|-----|-----|----------|--------|
| 367-12-4 | 2-Fluorophenol       | 62% | 61% | 36%      | 10-66% |

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample     | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| OP8713-MS  | H24824.D | 1  | 12/15/07 | SC | 12/14/07  | OP8713     | EH1393           |
| OP8713-MSD | H24825.D | 1  | 12/15/07 | SC | 12/14/07  | OP8713     | EH1393           |
| T20088-2   | H24823.D | 1  | 12/14/07 | SC | 12/14/07  | OP8713     | EH1393           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-5, T20073-7, T20073-9, T20073-11, T20073-14

| CAS No.   | Surrogate Recoveries | MS  | MSD | T20088-2 | Limits  |
|-----------|----------------------|-----|-----|----------|---------|
| 4165-62-2 | Phenol-d5            | 48% | 47% | 26%      | 10-53%  |
| 118-79-6  | 2,4,6-Tribromophenol | 73% | 76% | 59%      | 32-128% |
| 4165-60-0 | Nitrobenzene-d5      | 68% | 70% | 61%      | 29-115% |
| 321-60-8  | 2-Fluorobiphenyl     | 63% | 66% | 60%      | 34-113% |
| 1718-51-0 | Terphenyl-d14        | 74% | 80% | 69%      | 12-145% |

(a) Advisory control limits.

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample     | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| OP8734-MS  | H24904.D | 1  | 12/19/07 | SC | 12/18/07  | OP8734     | EH1396           |
| OP8734-MSD | H24905.D | 1  | 12/19/07 | SC | 12/18/07  | OP8734     | EH1396           |
| T20073-10  | H24903.D | 1  | 12/19/07 | SC | 12/18/07  | OP8734     | EH1396           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-10

| CAS No.   | Compound                    | T20073-10<br>ug/kg | Spike<br>Q | MS<br>ug/kg | MS<br>% | MSD<br>ug/kg | MSD<br>% | RPD | Limits<br>Rec/RPD |
|-----------|-----------------------------|--------------------|------------|-------------|---------|--------------|----------|-----|-------------------|
| 65-85-0   | Benzoic acid                | 2000 U             | 4020       | 1710        | 43      | 1610         | 40       | 6   | 11-74/19          |
| 95-57-8   | 2-Chlorophenol              | 410 U              | 4020       | 3080        | 77      | 2050         | 51       | 40* | 33-109/27         |
| 59-50-7   | 4-Chloro-3-methyl phenol    | 410 U              | 4020       | 3390        | 84      | 2330         | 58       | 37* | 44-118/22         |
| 120-83-2  | 2,4-Dichlorophenol          | 410 U              | 4020       | 3020        | 75      | 2000         | 50       | 41* | 34-117/28         |
| 105-67-9  | 2,4-Dimethylphenol          | 410 U              | 4020       | 3170        | 79      | 2130         | 53       | 39* | 37-113/23         |
| 51-28-5   | 2,4-Dinitrophenol           | 2000 U             | 4020       | 2340        | 58      | 1580         | 40       | 39* | 10-119/25         |
| 534-52-1  | 4,6-Dinitro-o-cresol        | 810 U              | 4020       | 3360        | 84      | 2420         | 61       | 33* | 38-103/26         |
| 95-48-7   | 2-Methylphenol              | 410 U              | 4020       | 3030        | 75      | 2130         | 53       | 35* | 38-109/26         |
|           | 3&4-Methylphenol            | 410 U              | 8040       | 5650        | 70      | 3930         | 49       | 36* | 36-115/26         |
| 100-02-7  | 4-Nitrophenol               | 410 U              | 4020       | 3990        | 99      | 2740         | 69       | 37* | 12-142/27         |
| 87-86-5   | Pentachlorophenol           | 2000 U             | 4020       | 4180        | 104     | 2810         | 70       | 39* | 43-134/20         |
| 108-95-2  | Phenol                      | 410 U              | 4020       | 3080        | 77      | 2070         | 52       | 39* | 33-109/23         |
| 95-95-4   | 2,4,5-Trichlorophenol       | 410 U              | 4020       | 3470        | 86      | 2260         | 57       | 42* | 35-123/21         |
| 88-06-2   | 2,4,6-Trichlorophenol       | 410 U              | 4020       | 3360        | 84      | 2130         | 53       | 45* | 31-129/21         |
| 83-32-9   | Acenaphthene                | 410 U              | 4020       | 3120        | 78      | 2000         | 50       | 44* | 39-113/21         |
| 208-96-8  | Acenaphthylene              | 410 U              | 4020       | 3890        | 97      | 2430         | 61       | 46* | 45-125/23         |
| 120-12-7  | Anthracene                  | 410 U              | 4020       | 3560        | 89      | 2430         | 61       | 38* | 41-122/19         |
| 56-55-3   | Benzo(a)anthracene          | 410 U              | 4020       | 3590        | 89      | 2560         | 64       | 33* | 48-114/18         |
| 50-32-8   | Benzo(a)pyrene              | 410 U              | 4020       | 3890        | 97      | 2650         | 66       | 38* | 45-114/20         |
| 205-99-2  | Benzo(b)fluoranthene        | 410 U              | 4020       | 4110        | 102     | 2810         | 70       | 38* | 42-116/23         |
| 191-24-2  | Benzo(g,h,i)perylene        | 410 U              | 4020       | 4880        | 121     | 3620         | 91       | 30  | 22-131/35         |
| 207-08-9  | Benzo(k)fluoranthene        | 410 U              | 4020       | 4460        | 111     | 3080         | 77       | 37* | 39-126/22         |
| 101-55-3  | 4-Bromophenyl phenyl ether  | 410 U              | 4020       | 3500        | 87      | 2450         | 61       | 35* | 38-127/19         |
| 85-68-7   | Butyl benzyl phthalate      | 410 U              | 4020       | 3930        | 98      | 2780         | 70       | 34* | 32-147/24         |
| 100-51-6  | Benzyl Alcohol              | 410 U              | 4020       | 3220        | 80      | 2010         | 50       | 46* | 36-111/26         |
| 91-58-7   | 2-Chloronaphthalene         | 410 U              | 4020       | 3210        | 80      | 2010         | 50       | 46* | 36-119/23         |
| 106-47-8  | 4-Chloroaniline             | 410 U              | 4020       | 2430        | 60      | 1750         | 44       | 33* | 14-114/27         |
| 86-74-8   | Carbazole                   | 410 U              | 4020       | 2800        | 70      | 2110         | 53       | 28* | 27-158/19         |
| 218-01-9  | Chrysene                    | 410 U              | 4020       | 3610        | 90      | 2520         | 63       | 36* | 47-113/19         |
| 111-91-1  | bis(2-Chloroethoxy)methane  | 410 U              | 4020       | 3190        | 79      | 2040         | 51       | 44* | 35-109/25         |
| 111-44-4  | bis(2-Chloroethyl)ether     | 410 U              | 4020       | 2590        | 64      | 1680         | 42       | 43* | 29-109/26         |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | 410 U              | 4020       | 3590        | 89      | 2290         | 57       | 44* | 41-123/21         |
| 95-50-1   | 1,2-Dichlorobenzene         | 410 U              | 4020       | 2980        | 74      | 2070         | 52       | 36* | 23-114/30         |
| 541-73-1  | 1,3-Dichlorobenzene         | 410 U              | 4020       | 2980        | 74      | 2030         | 51       | 38* | 21-112/27         |
| 106-46-7  | 1,4-Dichlorobenzene         | 410 U              | 4020       | 3010        | 75      | 2060         | 52       | 37* | 23-114/27         |
| 121-14-2  | 2,4-Dinitrotoluene          | 410 U              | 4020       | 4020        | 100     | 2560         | 64       | 44* | 42-134/25         |

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample     | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| OP8734-MS  | H24904.D | 1  | 12/19/07 | SC | 12/18/07  | OP8734     | EH1396           |
| OP8734-MSD | H24905.D | 1  | 12/19/07 | SC | 12/18/07  | OP8734     | EH1396           |
| T20073-10  | H24903.D | 1  | 12/19/07 | SC | 12/18/07  | OP8734     | EH1396           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-10

| CAS No.  | Compound                   | T20073-10<br>ug/kg | Spike<br>Q | MS<br>ug/kg | MS<br>% | MSD<br>ug/kg | MSD<br>% | RPD | Limits<br>Rec/RPD |
|----------|----------------------------|--------------------|------------|-------------|---------|--------------|----------|-----|-------------------|
| 606-20-2 | 2,6-Dinitrotoluene         | 410 U              | 4020       | 3500        | 87      | 2210         | 55       | 45* | 49-119/21         |
| 91-94-1  | 3,3'-Dichlorobenzidine     | 810 U              | 4020       | 1960        | 49      | 1490         | 37       | 27  | 37-149/27         |
| 53-70-3  | Dibenzo(a,h)anthracene     | 410 U              | 4020       | 4120        | 103     | 2910         | 73       | 34* | 23-135/28         |
| 132-64-9 | Dibenzofuran               | 410 U              | 4020       | 3310        | 82      | 2090         | 52       | 45* | 39-126/19         |
| 122-39-4 | Diphenylamine              | 410 U              | 4020       | 3740        | 93      | 2570         | 64       | 37* | 38-161/25         |
| 84-74-2  | Di-n-butyl phthalate       | 410 U              | 4020       | 3730        | 93      | 2550         | 64       | 38* | 43-124/20         |
| 117-84-0 | Di-n-octyl phthalate       | 410 U              | 4020       | 4640        | 115     | 3660         | 92       | 24  | 22-162/29         |
| 84-66-2  | Diethyl phthalate          | 410 U              | 4020       | 3730        | 93      | 2430         | 61       | 42* | 44-129/21         |
| 131-11-3 | Dimethyl phthalate         | 410 U              | 4020       | 3580        | 89      | 2320         | 58       | 43* | 48-122/16         |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 410 U              | 4020       | 3860        | 96      | 2740         | 69       | 34* | 41-138/24         |
| 206-44-0 | Fluoranthene               | 410 U              | 4020       | 3660        | 91      | 2490         | 62       | 38* | 29-127/24         |
| 86-73-7  | Fluorene                   | 410 U              | 4020       | 3450        | 86      | 2200         | 55       | 44* | 39-122/22         |
| 118-74-1 | Hexachlorobenzene          | 410 U              | 4020       | 3620        | 90      | 2490         | 62       | 37* | 46-119/24         |
| 87-68-3  | Hexachlorobutadiene        | 410 U              | 4020       | 3110        | 77      | 2070         | 52       | 40* | 15-117/26         |
| 77-47-4  | Hexachlorocyclopentadiene  | 410 U              | 4020       | 2030        | 51      | 1000         | 25       | 68* | 12-103/29         |
| 67-72-1  | Hexachloroethane           | 410 U              | 4020       | 2910        | 72      | 1890         | 47       | 43* | 18-116/30         |
| 193-39-5 | Indeno(1,2,3-cd)pyrene     | 410 U              | 4020       | 4510        | 112     | 3080         | 77       | 38* | 23-127/32         |
| 78-59-1  | Isophorone                 | 410 U              | 4020       | 3270        | 81      | 2120         | 53       | 43* | 36-116/24         |
| 90-12-0  | 1-Methylnaphthalene        | 410 U              | 4020       | 2750        | 68      | 1880         | 47       | 38* | 38-105/25         |
| 91-57-6  | 2-Methylnaphthalene        | 410 U              | 4020       | 2870        | 71      | 1930         | 48       | 39* | 37-113/26         |
| 88-74-4  | 2-Nitroaniline             | 410 U              | 4020       | 3590        | 89      | 2420         | 61       | 39* | 38-131/18         |
| 99-09-2  | 3-Nitroaniline             | 410 U              | 4020       | 3300        | 82      | 2240         | 56       | 38* | 30-144/23         |
| 100-01-6 | 4-Nitroaniline             | 410 U              | 4020       | 4180        | 104     | 3210         | 80       | 26  | 54-196/32         |
| 91-20-3  | Naphthalene                | 410 U              | 4020       | 2910        | 72      | 1910         | 48       | 41* | 28-113/25         |
| 98-95-3  | Nitrobenzene               | 410 U              | 4020       | 3210        | 80      | 2140         | 54       | 40* | 32-113/26         |
| 621-64-7 | N-Nitroso-di-n-propylamine | 410 U              | 4020       | 3570        | 89      | 2400         | 60       | 39* | 34-118/24         |
| 86-30-6  | N-Nitrosodiphenylamine     | 410 U              | 4020       | 3740        | 93      | 2570         | 64       | 37* | 40-157/24         |
| 85-01-8  | Phenanthrene               | 410 U              | 4020       | 3520        | 88      | 2400         | 60       | 38* | 40-121/19         |
| 129-00-0 | Pyrene                     | 410 U              | 4020       | 3790        | 94      | 2640         | 66       | 36* | 32-144/24         |
| 120-82-1 | 1,2,4-Trichlorobenzene     | 410 U              | 4020       | 3130        | 78      | 2100         | 53       | 39* | 25-120/26         |

| CAS No.   | Surrogate Recoveries | MS  | MSD | T20073-10 | Limits  |
|-----------|----------------------|-----|-----|-----------|---------|
| 367-12-4  | 2-Fluorophenol       | 68% | 45% | 67%       | 26-124% |
| 4165-62-2 | Phenol-d5            | 74% | 51% | 72%       | 19-106% |

6.4  
6

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample     | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| OP8734-MS  | H24904.D | 1  | 12/19/07 | SC | 12/18/07  | OP8734     | EH1396           |
| OP8734-MSD | H24905.D | 1  | 12/19/07 | SC | 12/18/07  | OP8734     | EH1396           |
| T20073-10  | H24903.D | 1  | 12/19/07 | SC | 12/18/07  | OP8734     | EH1396           |

The QC reported here applies to the following samples:

Method: SW846 8270C

T20073-10

| CAS No.   | Surrogate Recoveries | MS  | MSD | T20073-10 | Limits  |
|-----------|----------------------|-----|-----|-----------|---------|
| 118-79-6  | 2,4,6-Tribromophenol | 93% | 63% | 83%       | 18-129% |
| 4165-60-0 | Nitrobenzene-d5      | 73% | 49% | 72%       | 18-104% |
| 321-60-8  | 2-Fluorobiphenyl     | 73% | 45% | 69%       | 21-114% |
| 1718-51-0 | Terphenyl-d14        | 90% | 63% | 76%       | 24-149% |

6.4  
6



## GC Semi-volatiles

### QC Data Summaries

7

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Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

# Method Blank Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID   | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|----|-----------|------------|------------------|
| OP8730-MB | GG39412.D | 1  | 12/19/07 | FO | 12/17/07  | OP8730     | GGG1217          |

The QC reported here applies to the following samples:

Method: SW846 8151

T20073-9, T20073-11

| CAS No.   | Compound          | Result | RL    | MDL   | Units | Q |
|-----------|-------------------|--------|-------|-------|-------|---|
| 94-75-7   | 2,4-D             | ND     | 1.5   | 0.80  | ug/l  |   |
| 93-72-1   | 2,4,5-TP (Silvex) | ND     | 0.20  | 0.15  | ug/l  |   |
| 93-76-5   | 2,4,5-T           | ND     | 0.20  | 0.12  | ug/l  |   |
| 1918-00-9 | Dicamba           | ND     | 0.20  | 0.080 | ug/l  |   |
| 88-85-7   | Dinoseb           | ND     | 0.20  | 0.090 | ug/l  |   |
| 75-99-0   | Dalapon           | ND     | 1.0   | 1.0   | ug/l  |   |
| 120-36-5  | Dichloroprop      | ND     | 1.0   | 0.51  | ug/l  |   |
| 94-82-6   | 2,4-DB            | ND     | 2.0   | 1.9   | ug/l  |   |
| 93-65-2   | MCPD              | ND     | 50    |       | ug/l  |   |
| 94-74-6   | MCPA              | ND     | 50    |       | ug/l  |   |
| 87-86-5   | Pentachlorophenol | ND     | 0.050 | 0.040 | ug/l  |   |

| CAS No.    | Surrogate Recoveries | Limits       |
|------------|----------------------|--------------|
| 19719-28-9 | 2,4-DCAA             | 105% 34-179% |

7.1  
7

# Method Blank Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID   | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|----|-----------|------------|------------------|
| OP8723-MB | NN00470.D | 1  | 12/18/07 | FO | 12/17/07  | OP8723     | GNN12            |

The QC reported here applies to the following samples:

Method: SW846 8081A

T20073-9, T20073-11

| CAS No.    | Compound            | Result | RL    | MDL    | Units | Q |
|------------|---------------------|--------|-------|--------|-------|---|
| 309-00-2   | Aldrin              | ND     | 0.050 | 0.014  | ug/l  |   |
| 319-84-6   | alpha-BHC           | ND     | 0.050 | 0.012  | ug/l  |   |
| 319-85-7   | beta-BHC            | ND     | 0.050 | 0.0080 | ug/l  |   |
| 319-86-8   | delta-BHC           | ND     | 0.050 | 0.015  | ug/l  |   |
| 58-89-9    | gamma-BHC (Lindane) | ND     | 0.050 | 0.0070 | ug/l  |   |
| 5103-71-9  | alpha-Chlordane     | ND     | 0.050 | 0.0080 | ug/l  |   |
| 5103-74-2  | gamma-Chlordane     | ND     | 0.050 | 0.0080 | ug/l  |   |
| 60-57-1    | Dieldrin            | ND     | 0.10  | 0.013  | ug/l  |   |
| 72-54-8    | 4,4'-DDD            | ND     | 0.10  | 0.015  | ug/l  |   |
| 72-55-9    | 4,4'-DDE            | ND     | 0.10  | 0.017  | ug/l  |   |
| 50-29-3    | 4,4'-DDT            | ND     | 0.10  | 0.013  | ug/l  |   |
| 72-20-8    | Endrin              | ND     | 0.10  | 0.019  | ug/l  |   |
| 1031-07-8  | Endosulfan sulfate  | ND     | 0.10  | 0.014  | ug/l  |   |
| 7421-93-4  | Endrin aldehyde     | ND     | 0.10  | 0.017  | ug/l  |   |
| 53494-70-5 | Endrin ketone       | ND     | 0.10  | 0.013  | ug/l  |   |
| 959-98-8   | Endosulfan-I        | ND     | 0.10  | 0.0080 | ug/l  |   |
| 33213-65-9 | Endosulfan-II       | ND     | 0.10  | 0.013  | ug/l  |   |
| 76-44-8    | Heptachlor          | ND     | 0.050 | 0.010  | ug/l  |   |
| 1024-57-3  | Heptachlor epoxide  | ND     | 0.050 | 0.0060 | ug/l  |   |
| 72-43-5    | Methoxychlor        | ND     | 0.50  | 0.078  | ug/l  |   |
| 8001-35-2  | Toxaphene           | ND     | 0.50  | 0.20   | ug/l  |   |

| CAS No.   | Surrogate Recoveries | Limits |         |
|-----------|----------------------|--------|---------|
| 877-09-8  | Tetrachloro-m-xylene | 81%    | 10-117% |
| 2051-24-3 | Decachlorobiphenyl   | 82%    | 10-120% |

7.1  
7

# Method Blank Summary

Job Number: T20073  
Account: KLETXAU KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID   | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|----|-----------|------------|------------------|
| OP8724-MB | DD69984.D | 1  | 12/18/07 | FO | 12/17/07  | OP8724     | GDD1361          |

The QC reported here applies to the following samples:

Method: SW846 8082

T20073-9, T20073-11

| CAS No.    | Compound     | Result | RL   | MDL  | Units | Q |
|------------|--------------|--------|------|------|-------|---|
| 12674-11-2 | Aroclor 1016 | ND     | 0.50 | 0.50 | ug/l  |   |
| 11104-28-2 | Aroclor 1221 | ND     | 0.50 | 0.50 | ug/l  |   |
| 11141-16-5 | Aroclor 1232 | ND     | 0.50 | 0.34 | ug/l  |   |
| 53469-21-9 | Aroclor 1242 | ND     | 0.50 | 0.16 | ug/l  |   |
| 12672-29-6 | Aroclor 1248 | ND     | 0.50 | 0.37 | ug/l  |   |
| 11097-69-1 | Aroclor 1254 | ND     | 0.50 | 0.17 | ug/l  |   |
| 11096-82-5 | Aroclor 1260 | ND     | 0.50 | 0.23 | ug/l  |   |

| CAS No.   | Surrogate Recoveries | Limits |         |
|-----------|----------------------|--------|---------|
| 877-09-8  | Tetrachloro-m-xylene | 70%    | 16-131% |
| 2051-24-3 | Decachlorobiphenyl   | 82%    | 12-140% |

7.1  
7

# Blank Spike Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID   | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|----|-----------|------------|------------------|
| OP8730-BS | GG39413.D | 1  | 12/19/07 | FO | 12/17/07  | OP8730     | GGG1217          |

The QC reported here applies to the following samples:

Method: SW846 8151

T20073-9, T20073-11

| CAS No.   | Compound          | Spike ug/l | BSP ug/l | BSP % | Limits |
|-----------|-------------------|------------|----------|-------|--------|
| 94-75-7   | 2,4-D             | 2          | 1.4      | 70    | 44-157 |
| 93-72-1   | 2,4,5-TP (Silvex) | 0.4        | 0.38     | 95    | 47-146 |
| 93-76-5   | 2,4,5-T           | 0.4        | 0.26     | 65    | 49-143 |
| 1918-00-9 | Dicamba           | 0.4        | 0.28     | 70    | 36-151 |
| 88-85-7   | Dinoseb           | 0.4        | 0.12     | 30    | 11-102 |
| 75-99-0   | Dalapon           | 2          | 1.4      | 70    | 30-120 |
| 120-36-5  | Dichloroprop      | 2          | 1.4      | 70    | 66-132 |
| 94-82-6   | 2,4-DB            | 4          | 3.3      | 83    | 48-159 |
| 87-86-5   | Pentachlorophenol | 0.1        | 0.061    | 61    | 44-131 |

| CAS No.    | Surrogate Recoveries | BSP | Limits  |
|------------|----------------------|-----|---------|
| 19719-28-9 | 2,4-DCAA             | 86% | 34-179% |

7.2  
7

# Blank Spike Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID   | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|----|-----------|------------|------------------|
| OP8723-BS | NN00471.D | 1  | 12/18/07 | FO | 12/17/07  | OP8723     | GNN12            |

The QC reported here applies to the following samples:

Method: SW846 8081A

T20073-9, T20073-11

| CAS No.    | Compound            | Spike ug/l | BSP ug/l | BSP % | Limits |
|------------|---------------------|------------|----------|-------|--------|
| 309-00-2   | Aldrin              | 0.25       | 0.24     | 96    | 26-125 |
| 319-84-6   | alpha-BHC           | 0.25       | 0.30     | 120*  | 62-119 |
| 319-85-7   | beta-BHC            | 0.25       | 0.29     | 116   | 49-135 |
| 319-86-8   | delta-BHC           | 0.25       | 0.31     | 124   | 50-147 |
| 58-89-9    | gamma-BHC (Lindane) | 0.25       | 0.28     | 112   | 49-123 |
| 5103-71-9  | alpha-Chlordane     | 0.25       | 0.27     | 108   | 49-126 |
| 5103-74-2  | gamma-Chlordane     | 0.25       | 0.26     | 104   | 49-120 |
| 60-57-1    | Dieldrin            | 0.5        | 0.57     | 114   | 56-130 |
| 72-54-8    | 4,4'-DDD            | 0.5        | 0.64     | 128   | 66-131 |
| 72-55-9    | 4,4'-DDE            | 0.5        | 0.63     | 126   | 63-133 |
| 50-29-3    | 4,4'-DDT            | 0.5        | 0.58     | 116   | 56-130 |
| 72-20-8    | Endrin              | 0.5        | 0.71     | 142   | 66-154 |
| 1031-07-8  | Endosulfan sulfate  | 0.5        | 0.54     | 108   | 59-119 |
| 7421-93-4  | Endrin aldehyde     | 0.5        | 0.41     | 82    | 34-119 |
| 53494-70-5 | Endrin ketone       | 0.5        | 0.53     | 106   | 64-111 |
| 959-98-8   | Endosulfan-I        | 0.25       | 0.29     | 116   | 63-121 |
| 33213-65-9 | Endosulfan-II       | 0.5        | 0.58     | 116   | 68-117 |
| 76-44-8    | Heptachlor          | 0.25       | 0.26     | 104   | 41-128 |
| 1024-57-3  | Heptachlor epoxide  | 0.25       | 0.27     | 108   | 48-132 |
| 72-43-5    | Methoxychlor        | 2.5        | 3.1      | 124   | 56-135 |

| CAS No.   | Surrogate Recoveries | BSP | Limits  |
|-----------|----------------------|-----|---------|
| 877-09-8  | Tetrachloro-m-xylene | 75% | 10-117% |
| 2051-24-3 | Decachlorobiphenyl   | 73% | 10-120% |

7.2  
7

# Blank Spike Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample    | File ID   | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|----|-----------|------------|------------------|
| OP8724-BS | DD70010.D | 1  | 12/19/07 | FO | 12/17/07  | OP8724     | GDD1362          |

The QC reported here applies to the following samples:

Method: SW846 8082

T20073-9, T20073-11

| CAS No.    | Compound     | Spike<br>ug/l | BSP<br>ug/l | BSP<br>% | Limits |
|------------|--------------|---------------|-------------|----------|--------|
| 12674-11-2 | Aroclor 1016 | 2             | 2.2         | 110      | 59-137 |
| 11096-82-5 | Aroclor 1260 | 2             | 2.3         | 115      | 57-142 |

| CAS No.   | Surrogate Recoveries | BSP | Limits  |
|-----------|----------------------|-----|---------|
| 877-09-8  | Tetrachloro-m-xylene | 92% | 16-131% |
| 2051-24-3 | Decachlorobiphenyl   | 97% | 12-140% |

7.2  
7

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample     | File ID   | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|----|-----------|------------|------------------|
| OP8730-MS  | GG39422.D | 1  | 12/19/07 | FO | 12/17/07  | OP8730     | GGG1217          |
| OP8730-MSD | GG39423.D | 1  | 12/19/07 | FO | 12/17/07  | OP8730     | GGG1217          |
| T20114-6   | GG39420.D | 1  | 12/19/07 | FO | 12/17/07  | OP8730     | GGG1217          |

The QC reported here applies to the following samples:

Method: SW846 8151

T20073-9, T20073-11

| CAS No.   | Compound          | T20114-6<br>ug/l | Spike<br>Q ug/l | MS<br>ug/l | MS<br>% | MSD<br>ug/l | MSD<br>% | RPD | Limits<br>Rec/RPD |
|-----------|-------------------|------------------|-----------------|------------|---------|-------------|----------|-----|-------------------|
| 94-75-7   | 2,4-D             | 1.5 U            | 4               | 2.7        | 68      | 3.2         | 80       | 17  | 44-147/27         |
| 93-72-1   | 2,4,5-TP (Silvex) | 0.20 U           | 0.8             | 0.70       | 88      | 0.69        | 86       | 1   | 29-169/28         |
| 93-76-5   | 2,4,5-T           | 0.20 U           | 0.8             | 0.59       | 74      | 0.63        | 79       | 7   | 53-142/26         |
| 1918-00-9 | Dicamba           | 0.20 U           | 0.8             | 0.62       | 78      | 0.70        | 88       | 12  | 24-154/29         |
| 88-85-7   | Dinoseb           | 0.20 U           | 0.8             | 0.20       | 25*     | 0.20        | 25*      | 0   | 30-127/32         |
| 75-99-0   | Dalapon           | 1.0 U            | 4               | 2.5        | 63      | 6.4         | 160*     | 88* | 20-142/32         |
| 120-36-5  | Dichloroprop      | 1.0 U            | 4               | 3.0        | 75      | 3.2         | 80       | 6   | 45-139/31         |
| 94-82-6   | 2,4-DB            | 2.0 U            | 8               | 5.7        | 71      | 6.9         | 86       | 19  | 50-157/32         |
| 87-86-5   | Pentachlorophenol | 0.050 U          | 0.2             | 0.17       | 85      | 0.18        | 90       | 6   | 61-127/26         |

| CAS No.    | Surrogate Recoveries | MS  | MSD  | T20114-6 | Limits  |
|------------|----------------------|-----|------|----------|---------|
| 19719-28-9 | 2,4-DCAA             | 99% | 108% | 64%      | 34-179% |

7.3  
7

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample     | File ID   | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|----|-----------|------------|------------------|
| OP8723-MS  | NN00482.D | 1  | 12/18/07 | FO | 12/17/07  | OP8723     | GNN12            |
| OP8723-MSD | NN00483.D | 1  | 12/18/07 | FO | 12/17/07  | OP8723     | GNN12            |
| T20114-6   | NN00476.D | 1  | 12/18/07 | FO | 12/17/07  | OP8723     | GNN12            |

The QC reported here applies to the following samples:

Method: SW846 8081A

T20073-9, T20073-11

| CAS No.    | Compound            | T20114-6<br>ug/l | Spike<br>Q | MS<br>ug/l | MS<br>% | MSD<br>ug/l | MSD<br>% | RPD | Limits<br>Rec/RPD      |
|------------|---------------------|------------------|------------|------------|---------|-------------|----------|-----|------------------------|
| 309-00-2   | Aldrin              | 0.050 U          | 0.25       | 0.19       | 76      | 0.19        | 76       | 0   | 24-127/26              |
| 319-84-6   | alpha-BHC           | 0.050 U          | 0.25       | 0.21       | 84      | 0.21        | 84       | 0   | 55-131/27              |
| 319-85-7   | beta-BHC            | 0.050 U          | 0.25       | 0.21       | 84      | 0.22        | 88       | 5   | 51-142/28              |
| 319-86-8   | delta-BHC           | 0.050 U          | 0.25       | 0.23       | 92      | 0.25        | 100      | 8   | 65-155/27              |
| 58-89-9    | gamma-BHC (Lindane) | 0.050 U          | 0.25       | 0.21       | 84      | 0.22        | 88       | 5   | 46-144/30              |
| 5103-71-9  | alpha-Chlordane     | 0.050 U          | 0.25       | 0.20       | 80      | 0.20        | 80       | 0   | 56-117/27              |
| 5103-74-2  | gamma-Chlordane     | 0.050 U          | 0.25       | 0.19       | 76      | 0.19        | 76       | 0   | 59-119/27              |
| 60-57-1    | Dieldrin            | 0.10 U           | 0.5        | 0.43       | 86      | 0.43        | 86       | 0   | 58-134/24              |
| 72-54-8    | 4,4'-DDD            | 0.10 U           | 0.5        | 0.52       | 104     | 0.56        | 112      | 7   | 73-130/27              |
| 72-55-9    | 4,4'-DDE            | 0.10 U           | 0.5        | 0.48       | 96      | 0.50        | 100      | 4   | 68-136/15              |
| 50-29-3    | 4,4'-DDT            | 0.10 U           | 0.5        | 0.46       | 92      | 0.48        | 96       | 4   | 69-132/26              |
| 72-20-8    | Endrin              | 0.10 U           | 0.5        | 0.56       | 112     | 0.58        | 116      | 4   | 73-149/25              |
| 1031-07-8  | Endosulfan sulfate  | 0.10 U           | 0.5        | 0.41       | 82      | 0.44        | 88       | 7   | 52-131/28              |
| 7421-93-4  | Endrin aldehyde     | 0.10 U           | 0.5        | 0.33       | 66      | 0.35        | 70       | 6   | 36-119/25              |
| 53494-70-5 | Endrin ketone       | 0.10 U           | 0.5        | 0.40       | 80      | 0.42        | 84       | 5   | 41-143/26              |
| 959-98-8   | Endosulfan-I        | 0.10 U           | 0.25       | 0.21       | 84      | 0.21        | 84       | 0   | 37-154/27              |
| 33213-65-9 | Endosulfan-II       | 0.10 U           | 0.5        | 0.44       | 88      | 0.46        | 92       | 4   | 55-132/23              |
| 76-44-8    | Heptachlor          | 0.050 U          | 0.25       | 0.20       | 80      | 0.20        | 80       | 0   | 49-141/28              |
| 1024-57-3  | Heptachlor epoxide  | 0.050 U          | 0.25       | 0.21       | 84      | 0.21        | 84       | 0   | 63-125/26              |
| 72-43-5    | Methoxychlor        | 0.50 U           | 2.5        | 2.6        | 104     | 2.8         | 112      | 7   | 59-134/26              |
| 8001-35-2  | Toxaphene           | 0.50 U           |            | ND         |         | ND          |          | nc  | 50-150/30 <sup>a</sup> |

| CAS No.   | Surrogate Recoveries | MS  | MSD | T20114-6 | Limits  |
|-----------|----------------------|-----|-----|----------|---------|
| 877-09-8  | Tetrachloro-m-xylene | 71% | 73% | 63%      | 10-117% |
| 877-09-8  | Tetrachloro-m-xylene | 75% | 78% |          | 10-117% |
| 2051-24-3 | Decachlorobiphenyl   | 56% | 60% | 59%      | 10-120% |
| 2051-24-3 | Decachlorobiphenyl   | 58% | 63% |          | 10-120% |

(a) Advisory control limits.

7.3  
7

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T20073  
 Account: KLETXAU KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

| Sample                  | File ID   | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------------------|-----------|----|----------|----|-----------|------------|------------------|
| OP8724-MS <sup>a</sup>  | DD69996.D | 1  | 12/18/07 | FO | 12/17/07  | OP8724     | GDD1361          |
| OP8724-MSD <sup>a</sup> | DD69997.D | 1  | 12/18/07 | FO | 12/17/07  | OP8724     | GDD1361          |
| T20114-6                | DD69990.D | 1  | 12/18/07 | FO | 12/17/07  | OP8724     | GDD1361          |

The QC reported here applies to the following samples:

Method: SW846 8082

T20073-9, T20073-11

| CAS No.    | Compound     | T20114-6<br>ug/l | Spike<br>Q | ug/l | MS<br>ug/l | MS<br>% | MSD<br>ug/l | MSD<br>% | RPD       | Limits<br>Rec/RPD |
|------------|--------------|------------------|------------|------|------------|---------|-------------|----------|-----------|-------------------|
| 12674-11-2 | Aroclor 1016 | 0.50 U           | 4          | 10.1 | 253*       | 34.0    | 850*        | 108*     | 69-128/22 |                   |
| 11096-82-5 | Aroclor 1260 | 0.50 U           | 4          | 5.35 | 134        | 3.6     | 90          | 39*      | 37-146/25 |                   |

| CAS No.   | Surrogate Recoveries | MS  | MSD | T20114-6 | Limits  |
|-----------|----------------------|-----|-----|----------|---------|
| 877-09-8  | Tetrachloro-m-xylene | 64% | 71% | 61%      | 16-131% |
| 2051-24-3 | Decachlorobiphenyl   | 72% | 77% | 63%      | 12-140% |

(a) Outside control limits due to matrix interference. Confirmed by reanalysis.

7.3  
7



## Metals Analysis

### QC Data Summaries

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Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: T20073  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7047  
Matrix Type: AQUEOUS

Methods: SW846 6010B  
Units: ug/l

Prep Date: 12/17/07

| Metal      | RL   | IDL | MB<br>raw | final |
|------------|------|-----|-----------|-------|
| Aluminum   | 200  | 51  | -120      | <200  |
| Antimony   | 5.0  | 1.8 | 0.080     | <5.0  |
| Arsenic    | 5.0  | 1.4 | -1.1      | <5.0  |
| Barium     | 200  | .1  | -0.69     | <200  |
| Beryllium  | 5.0  | .06 | -0.12     | <5.0  |
| Boron      | 100  | 1.4 |           |       |
| Cadmium    | 4.0  | .5  | -0.70     | <4.0  |
| Calcium    | 5000 | 8   | -130      | <5000 |
| Chromium   | 10   | .9  | -1.2      | <10   |
| Cobalt     | 50   | .99 | -0.83     | <50   |
| Copper     | 25   | 1.4 | 2.6       | <25   |
| Iron       | 100  | 16  | 1.4       | <100  |
| Lead       | 3.0  | .7  |           |       |
| Magnesium  | 5000 | 8   | -5.4      | <5000 |
| Manganese  | 15   | .2  | -0.45     | <15   |
| Molybdenum | 10   | .45 |           |       |
| Nickel     | 40   | 1   | -1.7      | <40   |
| Potassium  | 5000 | 80  | -240      | <5000 |
| Selenium   | 5.0  | 1.7 | -0.57     | <5.0  |
| Silver     | 10   | .5  | -0.17     | <10   |
| Sodium     | 5000 | 160 | -17       | <5000 |
| Strontium  | 20   | .5  |           |       |
| Thallium   | 10   | 1.5 | 0.42      | <10   |
| Tin        | 20   | 1.5 |           |       |
| Titanium   | 20   | .5  |           |       |
| Vanadium   | 50   | .4  | -1.0      | <50   |
| Zinc       | 20   | .8  | 2.3       | <20   |

Associated samples MP7047: T20073-5, T20073-7, T20073-9, T20073-11, T20073-14

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

8.1.1  
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T20073  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7047  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 12/17/07 12/17/07

| Metal      | T19995-1<br>Original | DUP    | RPD       | QC<br>Limits | T19995-1<br>Original MS | Spikelot<br>MPTW3 | % Rec | QC<br>Limits |        |
|------------|----------------------|--------|-----------|--------------|-------------------------|-------------------|-------|--------------|--------|
| Aluminum   | 0.0                  | 0.0    | NC        | 0-20         | 0.0                     | 50600             | 50000 | 101.2        | 75-125 |
| Antimony   | 0.0                  | 1.8    | 200.0 (a) | 0-20         | 0.0                     | 426               | 400   | 106.5        | 75-125 |
| Arsenic    | 2.7                  | 0.0    | 200.0 (a) | 0-20         | 2.7                     | 386               | 400   | 95.8         | 75-125 |
| Barium     | 81.3                 | 82.2   | 1.1       | 0-20         | 81.3                    | 481               | 400   | 99.9         | 75-125 |
| Beryllium  | 0.0                  | 0.0    | NC        | 0-20         | 0.0                     | 398               | 400   | 99.5         | 75-125 |
| Boron      |                      |        |           |              |                         |                   |       |              |        |
| Cadmium    | 0.0                  | 0.0    | NC        | 0-20         | 0.0                     | 361               | 400   | 90.3         | 75-125 |
| Calcium    | 108000               | 109000 | 0.9       | 0-20         | 108000                  | 153000            | 50000 | 90.0         | 75-125 |
| Chromium   | 0.0                  | 0.0    | NC        | 0-20         | 0.0                     | 391               | 400   | 97.8         | 75-125 |
| Cobalt     | 2.2                  | 2.0    | 9.5       | 0-20         | 2.2                     | 386               | 400   | 96.0         | 75-125 |
| Copper     | 7.7                  | 7.4    | 4.0       | 0-20         | 7.7                     | 411               | 400   | 100.8        | 75-125 |
| Iron       | 186                  | 133    | 33.2 (a)  | 0-20         | 186                     | 48500             | 50000 | 96.6         | 75-125 |
| Lead       |                      |        |           |              |                         |                   |       |              |        |
| Magnesium  | 27200                | 27600  | 1.5       | 0-20         | 27200                   | 73900             | 50000 | 93.4         | 75-125 |
| Manganese  | 57.9                 | 57.0   | 1.6       | 0-20         | 57.9                    | 449               | 400   | 97.8         | 75-125 |
| Molybdenum |                      |        |           |              |                         |                   |       |              |        |
| Nickel     | 9.4                  | 7.3    | 25.1 (a)  | 0-20         | 9.4                     | 361               | 400   | 87.9         | 75-125 |
| Potassium  | 3760                 | 3810   | 1.3       | 0-20         | 3760                    | 57700             | 50000 | 107.9        | 75-125 |
| Selenium   | 0.0                  | 0.0    | NC        | 0-20         | 0.0                     | 404               | 400   | 101.0        | 75-125 |
| Silver     | 0.0                  | 0.0    | NC        | 0-20         | 0.0                     | 401               | 400   | 100.3        | 75-125 |
| Sodium     | 135000               | 137000 | 1.5       | 0-20         | 135000                  | 182000            | 50000 | 94.0         | 75-125 |
| Strontium  |                      |        |           |              |                         |                   |       |              |        |
| Thallium   | 0.0                  | 0.0    | NC        | 0-20         | 0.0                     | 375               | 400   | 93.8         | 75-125 |
| Tin        |                      |        |           |              |                         |                   |       |              |        |
| Titanium   |                      |        |           |              |                         |                   |       |              |        |
| Vanadium   | 0.0                  | 0.0    | NC        | 0-20         | 0.0                     | 386               | 400   | 96.5         | 75-125 |
| Zinc       | 20.8                 | 17.9   | 15.0      | 0-20         | 20.8                    | 428               | 400   | 101.8        | 75-125 |

Associated samples MP7047: T20073-5, T20073-7, T20073-9, T20073-11, T20073-14

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested  
 (a) RPD acceptable due to low duplicate and sample concentrations.

8.12  
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T20073  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7047  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 12/17/07

| Metal      | T19995-1<br>Original | MSD    | Spikelot<br>MPTW3 | % Rec | MSD<br>RPD | QC<br>Limit |
|------------|----------------------|--------|-------------------|-------|------------|-------------|
| Aluminum   | 0.0                  | 48700  | 50000             | 97.4  | 3.8        |             |
| Antimony   | 0.0                  | 411    | 400               | 102.8 | 3.6        |             |
| Arsenic    | 2.7                  | 370    | 400               | 91.8  | 4.2        |             |
| Barium     | 81.3                 | 462    | 400               | 95.2  | 4.0        |             |
| Beryllium  | 0.0                  | 379    | 400               | 94.8  | 4.9        |             |
| Boron      |                      |        |                   |       |            |             |
| Cadmium    | 0.0                  | 345    | 400               | 86.3  | 4.5        |             |
| Calcium    | 108000               | 146000 | 50000             | 76.0  | 4.7        |             |
| Chromium   | 0.0                  | 374    | 400               | 93.5  | 4.4        |             |
| Cobalt     | 2.2                  | 370    | 400               | 92.0  | 4.2        |             |
| Copper     | 7.7                  | 396    | 400               | 97.1  | 3.7        |             |
| Iron       | 186                  | 46400  | 50000             | 92.4  | 4.4        |             |
| Lead       |                      |        |                   |       |            |             |
| Magnesium  | 27200                | 70800  | 50000             | 87.2  | 4.3        |             |
| Manganese  | 57.9                 | 432    | 400               | 93.5  | 3.9        |             |
| Molybdenum |                      |        |                   |       |            |             |
| Nickel     | 9.4                  | 344    | 400               | 83.7  | 4.8        |             |
| Potassium  | 3760                 | 56500  | 50000             | 105.5 | 2.1        |             |
| Selenium   | 0.0                  | 391    | 400               | 97.8  | 3.3        |             |
| Silver     | 0.0                  | 384    | 400               | 96.0  | 4.3        |             |
| Sodium     | 135000               | 176000 | 50000             | 82.0  | 3.4        |             |
| Strontium  |                      |        |                   |       |            |             |
| Thallium   | 0.0                  | 359    | 400               | 89.8  | 4.4        |             |
| Tin        |                      |        |                   |       |            |             |
| Titanium   |                      |        |                   |       |            |             |
| Vanadium   | 0.0                  | 369    | 400               | 92.3  | 4.5        |             |
| Zinc       | 20.8                 | 413    | 400               | 98.1  | 3.6        |             |

Associated samples MP7047: T20073-5, T20073-7, T20073-9, T20073-11, T20073-14

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

8.1.2  
**8**

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T20073  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7047  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 12/17/07

| Metal      | BSP Result | Spikelot MPTW3 | % Rec | QC Limits |
|------------|------------|----------------|-------|-----------|
| Aluminum   | 47500      | 50000          | 95.0  | 80-120    |
| Antimony   | 405        | 400            | 101.3 | 80-120    |
| Arsenic    | 357        | 400            | 89.3  | 80-120    |
| Barium     | 382        | 400            | 95.5  | 80-120    |
| Beryllium  | 379        | 400            | 94.8  | 80-120    |
| Boron      |            |                |       |           |
| Cadmium    | 348        | 400            | 87.0  | 80-120    |
| Calcium    | 46600      | 50000          | 93.2  | 80-120    |
| Chromium   | 374        | 400            | 93.5  | 80-120    |
| Cobalt     | 369        | 400            | 92.3  | 80-120    |
| Copper     | 401        | 400            | 100.3 | 80-120    |
| Iron       | 46200      | 50000          | 92.4  | 80-120    |
| Lead       |            |                |       |           |
| Magnesium  | 44400      | 50000          | 88.8  | 80-120    |
| Manganese  | 384        | 400            | 96.0  | 80-120    |
| Molybdenum |            |                |       |           |
| Nickel     | 343        | 400            | 85.8  | 80-120    |
| Potassium  | 47100      | 50000          | 94.2  | 80-120    |
| Selenium   | 380        | 400            | 95.0  | 80-120    |
| Silver     | 373        | 400            | 93.3  | 80-120    |
| Sodium     | 47300      | 50000          | 94.6  | 80-120    |
| Strontium  |            |                |       |           |
| Thallium   | 358        | 400            | 89.5  | 80-120    |
| Tin        |            |                |       |           |
| Titanium   |            |                |       |           |
| Vanadium   | 366        | 400            | 91.5  | 80-120    |
| Zinc       | 408        | 400            | 102.0 | 80-120    |

Associated samples MP7047: T20073-5, T20073-7, T20073-9, T20073-11, T20073-14

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

8.1.3  
**8**

SERIAL DILUTION RESULTS SUMMARY

Login Number: T20073  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7047  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 12/17/07

| Metal      | T19995-1<br>Original | SDL 1:5 | RPD       | QC<br>Limits |
|------------|----------------------|---------|-----------|--------------|
| Aluminum   | 0.00                 | 0.00    | NC        | 0-10         |
| Antimony   | 0.00                 | 0.00    | NC        | 0-10         |
| Arsenic    | 2.66                 | 0.00    | 100.0 (a) | 0-10         |
| Barium     | 81.3                 | 76.9    | 5.4       | 0-10         |
| Beryllium  | 0.00                 | 0.00    | NC        | 0-10         |
| Boron      |                      |         |           |              |
| Cadmium    | 0.00                 | 0.00    | NC        | 0-10         |
| Calcium    | 108000               | 107000  | 0.3       | 0-10         |
| Chromium   | 0.00                 | 0.00    | NC        | 0-10         |
| Cobalt     | 2.18                 | 0.00    | 100.0 (a) | 0-10         |
| Copper     | 7.65                 | 13.8    | 80.7 (a)  | 0-10         |
| Iron       | 186                  | 177     | 5.0       | 0-10         |
| Lead       |                      |         |           |              |
| Magnesium  | 27200                | 27100   | 0.3       | 0-10         |
| Manganese  | 57.9                 | 55.7    | 3.7       | 0-10         |
| Molybdenum |                      |         |           |              |
| Nickel     | 9.35                 | 0.00    | 100.0 (a) | 0-10         |
| Potassium  | 3760                 | 2390    | 36.4 (a)  | 0-10         |
| Selenium   | 0.00                 | 0.00    | NC        | 0-10         |
| Silver     | 0.00                 | 0.00    | NC        | 0-10         |
| Sodium     | 135000               | 133000  | 1.4       | 0-10         |
| Strontium  |                      |         |           |              |
| Thallium   | 0.00                 | 0.00    | NC        | 0-10         |
| Tin        |                      |         |           |              |
| Titanium   |                      |         |           |              |
| Vanadium   | 0.00                 | 0.00    | NC        | 0-10         |
| Zinc       | 20.8                 | 19.7    | 5.5       | 0-10         |

Associated samples MP7047: T20073-5, T20073-7, T20073-9, T20073-11, T20073-14

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

8.1.4  
8

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: T20073  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7062  
Matrix Type: SOLID

Methods: SW846 6010B  
Units: mg/kg

Prep Date: 12/19/07

| Metal      | RL   | IDL  | MB<br>raw | final |
|------------|------|------|-----------|-------|
| Aluminum   | 10   | 2.6  | 1.3       | <10   |
| Antimony   | 0.50 | .09  | 0.0065    | <0.50 |
| Arsenic    | 0.50 | .07  | 0.073     | <0.50 |
| Barium     | 10   | .005 | 0.0025    | <10   |
| Beryllium  | 0.25 | .003 | -0.0045   | <0.25 |
| Boron      | 5.0  | .07  |           |       |
| Cadmium    | 0.25 | .025 | -0.0015   | <0.25 |
| Calcium    | 250  | .4   | 0.44      | <250  |
| Chromium   | 0.50 | .045 | -0.075    | <0.50 |
| Cobalt     | 2.5  | .05  | 0.013     | <2.5  |
| Copper     | 1.3  | .071 | -0.029    | <1.3  |
| Iron       | 5.0  | .8   | 0.12      | <5.0  |
| Lead       | 0.50 | .035 | 0.016     | <0.50 |
| Magnesium  | 250  | .4   | 0.0010    | <250  |
| Manganese  | 0.75 | .01  | -0.058    | <0.75 |
| Molybdenum | 0.50 | .023 |           |       |
| Nickel     | 2.0  | .05  | -0.096    | <2.0  |
| Potassium  | 250  | 4    | 1.5       | <250  |
| Selenium   | 0.50 | .085 | -0.064    | <0.50 |
| Silver     | 0.50 | .025 | 0.021     | <0.50 |
| Sodium     | 250  | 8.1  | 6.2       | <250  |
| Strontium  | 1.0  | .025 |           |       |
| Thallium   | 1.0  | .075 | 0.076     | <1.0  |
| Tin        | 1.0  | .075 |           |       |
| Titanium   | 1.0  | .025 |           |       |
| Vanadium   | 2.5  | .02  | -0.013    | <2.5  |
| Zinc       | 1.0  | .04  | 0.078     | <1.0  |

Associated samples MP7062: T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8, T20073-12, T20073-13

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

8.2.1  
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T20073  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7062  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 12/19/07 12/19/07

| Metal      | T20073-1<br>Original | DUP   | RPD       | QC<br>Limits | T20073-1<br>Original MS | Spikelot<br>MPTW3 | % Rec | QC<br>Limits |        |
|------------|----------------------|-------|-----------|--------------|-------------------------|-------------------|-------|--------------|--------|
| Aluminum   | 2390                 | 2630  | 9.6       | 0-20         | 2390                    | 9060              | 5700  | 117.0        | 75-125 |
| Antimony   | 0.0                  | 0.0   | NC        | 0-20         | 0.0                     | 27.0              | 45.6  | 59.2N        | 75-125 |
| Arsenic    | 1.6                  | 1.5   | 6.5       | 0-20         | 1.6                     | 45.3              | 45.6  | 95.8         | 75-125 |
| Barium     | 514                  | 256   | 67.0* (a) | 0-20         | 514                     | 232               | 45.6  | -618.2 (c)   | 75-125 |
| Beryllium  | 0.11                 | 0.12  | 8.7       | 0-20         | 0.11                    | 44.0              | 45.6  | 96.2         | 75-125 |
| Boron      |                      |       |           |              |                         |                   |       |              |        |
| Cadmium    | 0.0                  | 0.0   | NC        | 0-20         | 0.0                     | 41.1              | 45.6  | 90.1         | 75-125 |
| Calcium    | 29100                | 10400 | 94.7* (a) | 0-20         | 29100                   | 34200             | 5700  | 89.4         | 75-125 |
| Chromium   | 2.4                  | 2.4   | 0.0       | 0-20         | 2.4                     | 46.0              | 45.6  | 95.6         | 75-125 |
| Cobalt     | 0.95                 | 0.90  | 5.4       | 0-20         | 0.95                    | 44.2              | 45.6  | 94.8         | 75-125 |
| Copper     | 2.8                  | 2.1   | 28.6 (b)  | 0-20         | 2.8                     | 48.3              | 45.6  | 99.7         | 75-125 |
| Iron       | 2260                 | 2350  | 3.9       | 0-20         | 2260                    | 8390              | 5700  | 107.5        | 75-125 |
| Lead       | 4.2                  | 3.4   | 21.1 (b)  | 0-20         | 4.2                     | 48.2              | 45.6  | 96.5         | 75-125 |
| Magnesium  | 3770                 | 3760  | 0.3       | 0-20         | 3770                    | 9830              | 5700  | 106.3        | 75-125 |
| Manganese  | 77.0                 | 56.5  | 30.7* (a) | 0-20         | 77.0                    | 134               | 45.6  | 125.0        | 75-125 |
| Molybdenum |                      |       |           |              |                         |                   |       |              |        |
| Nickel     | 1.3                  | 1.3   | 0.0       | 0-20         | 1.3                     | 43.0              | 45.6  | 91.4         | 75-125 |
| Potassium  | 997                  | 1040  | 4.2       | 0-20         | 997                     | 6970              | 5700  | 104.8        | 75-125 |
| Selenium   | 0.0                  | 0.0   | NC        | 0-20         | 0.0                     | 43.4              | 45.6  | 95.1         | 75-125 |
| Silver     | 0.0                  | 0.0   | NC        | 0-20         | 0.0                     | 44.2              | 45.6  | 96.9         | 75-125 |
| Sodium     | 16100                | 16700 | 3.7       | 0-20         | 16100                   | 23200             | 5700  | 124.5        | 75-125 |
| Strontium  |                      |       |           |              |                         |                   |       |              |        |
| Thallium   | 0.0                  | 0.0   | NC        | 0-20         | 0.0                     | 42.8              | 45.6  | 93.8         | 75-125 |
| Tin        |                      |       |           |              |                         |                   |       |              |        |
| Titanium   |                      |       |           |              |                         |                   |       |              |        |
| Vanadium   | 6.0                  | 6.7   | 11.0      | 0-20         | 6.0                     | 51.0              | 45.6  | 98.7         | 75-125 |
| Zinc       | 29.6                 | 25.2  | 16.1      | 0-20         | 29.6                    | 76.7              | 45.6  | 103.3        | 75-125 |

Associated samples MP7062: T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8, T20073-12, T20073-13

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) High RPD due to possible sample nonhomogeneity.

(b) RPD acceptable due to low duplicate and sample concentrations.

(c) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T20073  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7062  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 12/19/07

| Metal      | T20073-1<br>Original MSD |       | Spikelot<br>MPTW3 | % Rec     | MSD<br>RPD | QC<br>Limit |
|------------|--------------------------|-------|-------------------|-----------|------------|-------------|
| Aluminum   | 2390                     | 8820  | 5050              | 127.3N    | 2.7        |             |
| Antimony   | 0.0                      | 22.1  | 40.4              | 54.7N     | 20.0       |             |
| Arsenic    | 1.6                      | 38.9  | 40.4              | 92.3      | 15.2       |             |
| Barium     | 514                      | 247   | 40.4              | -660.8(a) | 6.3        |             |
| Beryllium  | 0.11                     | 38.2  | 40.4              | 94.3      | 14.1       |             |
| Boron      |                          |       |                   |           |            |             |
| Cadmium    | 0.0                      | 36.0  | 40.4              | 89.1      | 13.2       |             |
| Calcium    | 29100                    | 20200 | 5050              | -176.2(a) | 51.5       |             |
| Chromium   | 2.4                      | 40.6  | 40.4              | 94.5      | 12.5       |             |
| Cobalt     | 0.95                     | 38.5  | 40.4              | 92.9      | 13.8       |             |
| Copper     | 2.8                      | 41.3  | 40.4              | 95.3      | 15.6       |             |
| Iron       | 2260                     | 7440  | 5050              | 102.6     | 12.0       |             |
| Lead       | 4.2                      | 40.2  | 40.4              | 89.1      | 18.1       |             |
| Magnesium  | 3770                     | 8620  | 5050              | 96.0      | 13.1       |             |
| Manganese  | 77.0                     | 99.4  | 40.4              | 55.4N     | 29.6       |             |
| Molybdenum |                          |       |                   |           |            |             |
| Nickel     | 1.3                      | 37.8  | 40.4              | 90.3      | 12.9       |             |
| Potassium  | 997                      | 6300  | 5050              | 105.0     | 10.1       |             |
| Selenium   | 0.0                      | 37.6  | 40.4              | 93.1      | 14.3       |             |
| Silver     | 0.0                      | 38.1  | 40.4              | 94.3      | 14.8       |             |
| Sodium     | 16100                    | 22300 | 5050              | 122.8     | 4.0        |             |
| Strontium  |                          |       |                   |           |            |             |
| Thallium   | 0.0                      | 37.3  | 40.4              | 92.3      | 13.7       |             |
| Tin        |                          |       |                   |           |            |             |
| Titanium   |                          |       |                   |           |            |             |
| Vanadium   | 6.0                      | 44.2  | 40.4              | 94.5      | 14.3       |             |
| Zinc       | 29.6                     | 63.9  | 40.4              | 84.9      | 18.2       |             |

Associated samples MP7062: T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8, T20073-12, T20073-13

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

8.2.2  
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T20073  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7062  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 12/19/07

| Metal      | LCS Result | Spikelot MPLCD049 | % Rec | QC Limits |
|------------|------------|-------------------|-------|-----------|
| Aluminum   | 8070       | 7730              | 104.4 | 58-142    |
| Antimony   | 32.1       | 60.6              | 53.0  | 17-223    |
| Arsenic    | 214        | 257               | 83.3  | 80-120    |
| Barium     | 425        | 472               | 90.0  | 82-118    |
| Beryllium  | 77.1       | 88.4              | 87.2  | 82-118    |
| Boron      |            |                   |       |           |
| Cadmium    | 101        | 117               | 86.3  | 82-119    |
| Calcium    | 3220       | 3640              | 88.5  | 79-121    |
| Chromium   | 63.7       | 72.8              | 87.5  | 79-121    |
| Cobalt     | 72.3       | 82.5              | 87.6  | 82-118    |
| Copper     | 87.6       | 100               | 87.6  | 83-118    |
| Iron       | 12300      | 14500             | 84.8  | 51-149    |
| Lead       | 140        | 166               | 84.3  | 81-119    |
| Magnesium  | 2660       | 3000              | 88.7  | 77-123    |
| Manganese  | 324        | 374               | 86.6  | 80-120    |
| Molybdenum |            |                   |       |           |
| Nickel     | 86.7       | 103               | 84.2  | 82-118    |
| Potassium  | 2260       | 2410              | 93.8  | 71-129    |
| Selenium   | 147        | 173               | 85.0  | 76-124    |
| Silver     | 111        | 123               | 90.2  | 61-139    |
| Sodium     | 451        | 574               | 78.6  | 56-144    |
| Strontium  |            |                   |       |           |
| Thallium   | 176        | 194               | 90.7  | 76-124    |
| Tin        |            |                   |       |           |
| Titanium   |            |                   |       |           |
| Vanadium   | 118        | 138               | 85.5  | 75-125    |
| Zinc       | 178        | 201               | 88.6  | 79-120    |

Associated samples MP7062: T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8, T20073-12, T20073-13

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

8.2.3  
 8

SERIAL DILUTION RESULTS SUMMARY

Login Number: T20073  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7062  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 12/19/07

| Metal      | T20073-1<br>Original | SDL 1:5 | RPD       | QC<br>Limits |
|------------|----------------------|---------|-----------|--------------|
| Aluminum   | 21200                | 21300   | 0.2       | 0-10         |
| Antimony   | 0.00                 | 0.00    | NC        | 0-10         |
| Arsenic    | 14.4                 | 18.7    | 30.0 (a)  | 0-10         |
| Barium     | 4580                 | 4640    | 1.4       | 0-10         |
| Beryllium  | 1.00                 | 0.810   | 19.0 (a)  | 0-10         |
| Boron      |                      |         |           |              |
| Cadmium    | 0.00                 | 0.00    | NC        | 0-10         |
| Calcium    | 259000               | 259000  | 0.1       | 0-10         |
| Chromium   | 21.0                 | 14.0    | 33.1 (a)  | 0-10         |
| Cobalt     | 8.49                 | 9.35    | 10.1 (a)  | 0-10         |
| Copper     | 24.8                 | 22.3    | 10.2 (a)  | 0-10         |
| Iron       | 20100                | 20400   | 1.1       | 0-10         |
| Lead       | 37.7                 | 37.1    | 1.4       | 0-10         |
| Magnesium  | 33600                | 33600   | 0.0       | 0-10         |
| Manganese  | 685                  | 685     | 0.1       | 0-10         |
| Molybdenum |                      |         |           |              |
| Nickel     | 11.7                 | 0.00    | 100.0 (a) | 0-10         |
| Potassium  | 8880                 | 7990    | 10.0      | 0-10         |
| Selenium   | 0.00                 | 0.00    | NC        | 0-10         |
| Silver     | 0.00                 | 0.00    | NC        | 0-10         |
| Sodium     | 143000               | 145000  | 1.0       | 0-10         |
| Strontium  |                      |         |           |              |
| Thallium   | 0.00                 | 0.00    | NC        | 0-10         |
| Tin        |                      |         |           |              |
| Titanium   |                      |         |           |              |
| Vanadium   | 53.9                 | 52.8    | 1.9       | 0-10         |
| Zinc       | 263                  | 271     | 3.1       | 0-10         |

Associated samples MP7062: T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8, T20073-12, T20073-13

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested  
 (a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

8.2.4  
8

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: T20073  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7068  
Matrix Type: AQUEOUS

Methods: SW846 6010B  
Units: ug/l

Prep Date: 12/20/07

| Metal      | RL   | IDL | MB<br>raw | final |
|------------|------|-----|-----------|-------|
| Aluminum   | 200  | 51  |           |       |
| Antimony   | 5.0  | 1.8 |           |       |
| Arsenic    | 5.0  | 1.4 |           |       |
| Barium     | 200  | .1  |           |       |
| Beryllium  | 5.0  | .06 |           |       |
| Boron      | 100  | 1.4 |           |       |
| Cadmium    | 4.0  | .5  |           |       |
| Calcium    | 5000 | 8   |           |       |
| Chromium   | 10   | .9  |           |       |
| Cobalt     | 50   | .99 |           |       |
| Copper     | 25   | 1.4 |           |       |
| Iron       | 100  | 16  |           |       |
| Lead       | 3.0  | .7  | -0.21     | <3.0  |
| Magnesium  | 5000 | 8   |           |       |
| Manganese  | 15   | .2  |           |       |
| Molybdenum | 10   | .45 |           |       |
| Nickel     | 40   | 1   |           |       |
| Potassium  | 5000 | 80  |           |       |
| Selenium   | 5.0  | 1.7 |           |       |
| Silver     | 10   | .5  |           |       |
| Sodium     | 5000 | 160 |           |       |
| Strontium  | 20   | .5  |           |       |
| Thallium   | 10   | 1.5 |           |       |
| Tin        | 20   | 1.5 |           |       |
| Titanium   | 20   | .5  |           |       |
| Vanadium   | 50   | .4  |           |       |
| Zinc       | 20   | .8  |           |       |

Associated samples MP7068: T20073-7, T20073-9, T20073-11, T20073-14

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

8.3.1  
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T20073  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7068  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 12/20/07 12/20/07

| Metal      | T19995-7<br>Original DUP |     | RPD       | QC<br>Limits | T19995-7<br>Original MS |     | Spikelot<br>MPTW3 | % Rec | QC<br>Limits |
|------------|--------------------------|-----|-----------|--------------|-------------------------|-----|-------------------|-------|--------------|
| Aluminum   |                          |     |           |              |                         |     |                   |       |              |
| Antimony   |                          |     |           |              |                         |     |                   |       |              |
| Arsenic    |                          |     |           |              |                         |     |                   |       |              |
| Barium     |                          |     |           |              |                         |     |                   |       |              |
| Beryllium  |                          |     |           |              |                         |     |                   |       |              |
| Boron      |                          |     |           |              |                         |     |                   |       |              |
| Cadmium    |                          |     |           |              |                         |     |                   |       |              |
| Calcium    |                          |     |           |              |                         |     |                   |       |              |
| Chromium   |                          |     |           |              |                         |     |                   |       |              |
| Cobalt     |                          |     |           |              |                         |     |                   |       |              |
| Copper     |                          |     |           |              |                         |     |                   |       |              |
| Iron       |                          |     |           |              |                         |     |                   |       |              |
| Lead       | 0.99                     | 3.4 | 109.8 (a) | 0-20         | 0.99                    | 384 | 400               | 95.8  | 75-125       |
| Magnesium  |                          |     |           |              |                         |     |                   |       |              |
| Manganese  |                          |     |           |              |                         |     |                   |       |              |
| Molybdenum |                          |     |           |              |                         |     |                   |       |              |
| Nickel     |                          |     |           |              |                         |     |                   |       |              |
| Potassium  |                          |     |           |              |                         |     |                   |       |              |
| Selenium   |                          |     |           |              |                         |     |                   |       |              |
| Silver     |                          |     |           |              |                         |     |                   |       |              |
| Sodium     |                          |     |           |              |                         |     |                   |       |              |
| Strontium  |                          |     |           |              |                         |     |                   |       |              |
| Thallium   |                          |     |           |              |                         |     |                   |       |              |
| Tin        |                          |     |           |              |                         |     |                   |       |              |
| Titanium   |                          |     |           |              |                         |     |                   |       |              |
| Vanadium   |                          |     |           |              |                         |     |                   |       |              |
| Zinc       |                          |     |           |              |                         |     |                   |       |              |

Associated samples MP7068: T20073-7, T20073-9, T20073-11, T20073-14

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested  
 (a) RPD acceptable due to low duplicate and sample concentrations.

8.3.2  
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T20073  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7068  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 12/20/07

| Metal      | T19995-7<br>Original MSD | Spikelot<br>MPTW3 | % Rec | MSD<br>RPD | QC<br>Limit |
|------------|--------------------------|-------------------|-------|------------|-------------|
| Aluminum   |                          |                   |       |            |             |
| Antimony   |                          |                   |       |            |             |
| Arsenic    |                          |                   |       |            |             |
| Barium     |                          |                   |       |            |             |
| Beryllium  |                          |                   |       |            |             |
| Boron      |                          |                   |       |            |             |
| Cadmium    |                          |                   |       |            |             |
| Calcium    |                          |                   |       |            |             |
| Chromium   |                          |                   |       |            |             |
| Cobalt     |                          |                   |       |            |             |
| Copper     |                          |                   |       |            |             |
| Iron       |                          |                   |       |            |             |
| Lead       | 0.99                     | 383               | 400   | 95.5       | 0.3         |
| Magnesium  |                          |                   |       |            |             |
| Manganese  |                          |                   |       |            |             |
| Molybdenum |                          |                   |       |            |             |
| Nickel     |                          |                   |       |            |             |
| Potassium  |                          |                   |       |            |             |
| Selenium   |                          |                   |       |            |             |
| Silver     |                          |                   |       |            |             |
| Sodium     |                          |                   |       |            |             |
| Strontium  |                          |                   |       |            |             |
| Thallium   |                          |                   |       |            |             |
| Tin        |                          |                   |       |            |             |
| Titanium   |                          |                   |       |            |             |
| Vanadium   |                          |                   |       |            |             |
| Zinc       |                          |                   |       |            |             |

Associated samples MP7068: T20073-7, T20073-9, T20073-11, T20073-14

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

8.3.2  
 8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T20073  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7068  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 12/20/07

| Metal      | BSP Result | Spikelot MPTW3 | % Rec | QC Limits |
|------------|------------|----------------|-------|-----------|
| Aluminum   |            |                |       |           |
| Antimony   |            |                |       |           |
| Arsenic    |            |                |       |           |
| Barium     |            |                |       |           |
| Beryllium  |            |                |       |           |
| Boron      |            |                |       |           |
| Cadmium    |            |                |       |           |
| Calcium    |            |                |       |           |
| Chromium   |            |                |       |           |
| Cobalt     |            |                |       |           |
| Copper     |            |                |       |           |
| Iron       |            |                |       |           |
| Lead       | 397        | 400            | 99.3  | 80-120    |
| Magnesium  |            |                |       |           |
| Manganese  |            |                |       |           |
| Molybdenum |            |                |       |           |
| Nickel     |            |                |       |           |
| Potassium  |            |                |       |           |
| Selenium   |            |                |       |           |
| Silver     |            |                |       |           |
| Sodium     |            |                |       |           |
| Strontium  |            |                |       |           |
| Thallium   |            |                |       |           |
| Tin        |            |                |       |           |
| Titanium   |            |                |       |           |
| Vanadium   |            |                |       |           |
| Zinc       |            |                |       |           |

Associated samples MP7068: T20073-7, T20073-9, T20073-11, T20073-14

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

8.3.3  
 8

SERIAL DILUTION RESULTS SUMMARY

Login Number: T20073  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7068  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 12/20/07

| Metal      | T19995-7<br>Original | SDL 1:5 | RPD       | QC<br>Limits |
|------------|----------------------|---------|-----------|--------------|
| Aluminum   |                      |         |           |              |
| Antimony   |                      |         |           |              |
| Arsenic    |                      |         |           |              |
| Barium     |                      |         |           |              |
| Beryllium  |                      |         |           |              |
| Boron      |                      |         |           |              |
| Cadmium    |                      |         |           |              |
| Calcium    |                      |         |           |              |
| Chromium   |                      |         |           |              |
| Cobalt     |                      |         |           |              |
| Copper     |                      |         |           |              |
| Iron       |                      |         |           |              |
| Lead       | 0.990                | 0.00    | 100.0 (a) | 0-10         |
| Magnesium  |                      |         |           |              |
| Manganese  |                      |         |           |              |
| Molybdenum |                      |         |           |              |
| Nickel     |                      |         |           |              |
| Potassium  |                      |         |           |              |
| Selenium   |                      |         |           |              |
| Silver     |                      |         |           |              |
| Sodium     |                      |         |           |              |
| Strontium  |                      |         |           |              |
| Thallium   |                      |         |           |              |
| Tin        |                      |         |           |              |
| Titanium   |                      |         |           |              |
| Vanadium   |                      |         |           |              |
| Zinc       |                      |         |           |              |

Associated samples MP7068: T20073-7, T20073-9, T20073-11, T20073-14

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

8.3.4  
8

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: T20073  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7072  
Matrix Type: SOLID

Methods: SW846 7471A  
Units: mg/kg

Prep Date: 12/20/07

| Metal   | RL    | IDL   | MB<br>raw | final  |
|---------|-------|-------|-----------|--------|
| Mercury | 0.017 | .0041 | -0.0035   | <0.017 |

Associated samples MP7072: T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

8.4.1  
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T20073  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7072  
 Matrix Type: SOLID

Methods: SW846 7471A  
 Units: mg/kg

Prep Date: 12/20/07 12/20/07

| Metal   | T20073-1<br>Original | DUP | RPD | QC<br>Limits | T20073-1<br>Original MS | Spikelot<br>HGTXWS1 | % Rec      | QC<br>Limits |
|---------|----------------------|-----|-----|--------------|-------------------------|---------------------|------------|--------------|
| Mercury | 0.0                  | 0.0 | NC  | 0-20         | 0.0                     | 0.29                | 0.295 98.2 | 75-125       |

Associated samples MP7072: T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

8.4.2  
**8**

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T20073  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7072  
 Matrix Type: SOLID

Methods: SW846 7471A  
 Units: mg/kg

Prep Date: 12/20/07

| Metal   | T20073-1<br>Original MSD | Spikelot<br>HGTXWS1 | % Rec | MSD<br>RPD | QC<br>Limit |
|---------|--------------------------|---------------------|-------|------------|-------------|
| Mercury | 0.0                      | 0.25                | 0.294 | 85.1       | 14.8        |

Associated samples MP7072: T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

8.4.2  
**8**

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T20073  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7072  
Matrix Type: SOLID

Methods: SW846 7471A  
Units: mg/kg

Prep Date: 12/20/07

| Metal   | LCS Result | Spikelot HGLCD049 % Rec | QC Limits |
|---------|------------|-------------------------|-----------|
| Mercury | 3.6        | 4.18 86.1               | 68-132    |

Associated samples MP7072: T20073-1, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

8.4.3  
8

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: T20073  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7074  
Matrix Type: SOLID

Methods: SW846 6010B  
Units: mg/kg

Prep Date: 12/20/07

| Metal      | RL   | IDL  | MB<br>raw | final |
|------------|------|------|-----------|-------|
| Aluminum   | 10   | 2.6  | 0.64      | <10   |
| Antimony   | 0.50 | .09  | -0.021    | <0.50 |
| Arsenic    | 0.50 | .07  | 0.013     | <0.50 |
| Barium     | 10   | .005 | 0.00050   | <10   |
| Beryllium  | 0.25 | .003 | -0.00050  | <0.25 |
| Boron      | 5.0  | .07  |           |       |
| Cadmium    | 0.25 | .025 | 0.011     | <0.25 |
| Calcium    | 250  | .4   | 0.46      | <250  |
| Chromium   | 0.50 | .045 | -0.11     | <0.50 |
| Cobalt     | 2.5  | .05  | 0.0055    | <2.5  |
| Copper     | 1.3  | .071 | 0.14      | <1.3  |
| Iron       | 5.0  | .8   | 0.15      | <5.0  |
| Lead       | 0.50 | .035 | -0.0065   | <0.50 |
| Magnesium  | 250  | .4   | -0.11     | <250  |
| Manganese  | 0.75 | .01  | 0.034     | <0.75 |
| Molybdenum | 0.50 | .023 |           |       |
| Nickel     | 2.0  | .05  | -0.10     | <2.0  |
| Potassium  | 250  | 4    | -0.15     | <250  |
| Selenium   | 0.50 | .085 | 0.023     | <0.50 |
| Silver     | 0.50 | .025 | 0.018     | <0.50 |
| Sodium     | 250  | 8.1  | -0.48     | <250  |
| Strontium  | 1.0  | .025 |           |       |
| Thallium   | 1.0  | .075 | 0.10      | <1.0  |
| Tin        | 1.0  | .075 |           |       |
| Titanium   | 1.0  | .025 |           |       |
| Vanadium   | 2.5  | .02  | -0.0065   | <2.5  |
| Zinc       | 1.0  | .04  | 0.13      | <1.0  |

Associated samples MP7074: T20073-10

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

8.5.1  
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T20073  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7074  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 12/20/07 12/20/07

| Metal      | T20073-10<br>Original DUP |       | RPD      | QC<br>Limits | T20073-10<br>Original MS |       | Spikelot<br>MPTW3 | % Rec    | QC<br>Limits |
|------------|---------------------------|-------|----------|--------------|--------------------------|-------|-------------------|----------|--------------|
| Aluminum   | 18900                     | 17000 | 10.6     | 0-20         | 18900                    | 28600 | 11800             | 82.3     | 75-125       |
| Antimony   | 0.0                       | 0.0   | NC       | 0-20         | 0.0                      | 27.8  | 94.3              | 29.5N(b) | 75-125       |
| Arsenic    | 5.0                       | 5.2   | 3.9      | 0-20         | 5.0                      | 91.8  | 94.3              | 92.1     | 75-125       |
| Barium     | 332                       | 340   | 2.4      | 0-20         | 332                      | 363   | 94.3              | 32.9N(b) | 75-125       |
| Beryllium  | 0.68                      | 0.62  | 9.2      | 0-20         | 0.68                     | 88.6  | 94.3              | 93.3     | 75-125       |
| Boron      |                           |       |          |              |                          |       |                   |          |              |
| Cadmium    | 0.0                       | 0.0   | NC       | 0-20         | 0.0                      | 82.6  | 94.3              | 87.6     | 75-125       |
| Calcium    | 45500                     | 44900 | 1.3      | 0-20         | 45500                    | 54200 | 11800             | 73.8N(b) | 75-125       |
| Chromium   | 14.6                      | 13.5  | 7.8      | 0-20         | 14.6                     | 99.4  | 94.3              | 90.0     | 75-125       |
| Cobalt     | 4.3                       | 3.9   | 9.8      | 0-20         | 4.3                      | 89.3  | 94.3              | 90.2     | 75-125       |
| Copper     | 12.1                      | 11.4  | 6.0      | 0-20         | 12.1                     | 100   | 94.3              | 93.2     | 75-125       |
| Iron       | 12000                     | 10700 | 11.5     | 0-20         | 12000                    | 21500 | 11800             | 80.6     | 75-125       |
| Lead       | 17.9                      | 16.8  | 6.3      | 0-20         | 17.9                     | 101   | 94.3              | 88.2     | 75-125       |
| Magnesium  | 15500                     | 14800 | 4.6      | 0-20         | 15500                    | 25400 | 11800             | 84.0     | 75-125       |
| Manganese  | 427                       | 434   | 1.6      | 0-20         | 427                      | 499   | 94.3              | 76.4     | 75-125       |
| Molybdenum |                           |       |          |              |                          |       |                   |          |              |
| Nickel     | 8.0                       | 7.4   | 7.8      | 0-20         | 8.0                      | 89.7  | 94.3              | 86.7     | 75-125       |
| Potassium  | 5060                      | 4470  | 12.4     | 0-20         | 5060                     | 14500 | 11800             | 80.1     | 75-125       |
| Selenium   | 0.47                      | 0.40  | 16.1     | 0-20         | 0.47                     | 86.9  | 94.3              | 91.7     | 75-125       |
| Silver     | 0.0                       | 0.12  | 200.0(a) | 0-20         | 0.0                      | 85.4  | 94.3              | 90.6     | 75-125       |
| Sodium     | 5820                      | 5670  | 2.6      | 0-20         | 5820                     | 16300 | 11800             | 88.9     | 75-125       |
| Strontium  |                           |       |          |              |                          |       |                   |          |              |
| Thallium   | 0.0                       | 0.0   | NC       | 0-20         | 0.0                      | 82.9  | 94.3              | 87.9     | 75-125       |
| Tin        |                           |       |          |              |                          |       |                   |          |              |
| Titanium   |                           |       |          |              |                          |       |                   |          |              |
| Vanadium   | 25.1                      | 23.1  | 8.3      | 0-20         | 25.1                     | 108   | 94.3              | 87.9     | 75-125       |
| Zinc       | 208                       | 205   | 1.5      | 0-20         | 208                      | 306   | 94.3              | 104.0    | 75-125       |

Associated samples MP7074: T20073-10

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested  
 (a) RPD acceptable due to low duplicate and sample concentrations.  
 (b) Spike recovery indicates possible matrix interference.

8.5.2  
**8**

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T20073  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7074  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 12/20/07

| Metal      | T20073-10<br>Original MSD |       | Spikelot<br>MPTW3 | % Rec    | MSD<br>RPD | QC<br>Limit |
|------------|---------------------------|-------|-------------------|----------|------------|-------------|
| Aluminum   | 18900                     | 27500 | 11700             | 73.4N(a) | 3.9        |             |
| Antimony   | 0.0                       | 29.8  | 93.7              | 31.8N(a) | 6.9        |             |
| Arsenic    | 5.0                       | 89.3  | 93.7              | 89.9     | 2.8        |             |
| Barium     | 332                       | 348   | 93.7              | 17.1N(a) | 4.2        |             |
| Beryllium  | 0.68                      | 84.9  | 93.7              | 89.9     | 4.3        |             |
| Boron      |                           |       |                   |          |            |             |
| Cadmium    | 0.0                       | 80.6  | 93.7              | 86.0     | 2.5        |             |
| Calcium    | 45500                     | 51500 | 11700             | 51.2N(a) | 5.1        |             |
| Chromium   | 14.6                      | 96.6  | 93.7              | 87.5     | 2.9        |             |
| Cobalt     | 4.3                       | 87.2  | 93.7              | 88.4     | 2.4        |             |
| Copper     | 12.1                      | 97.6  | 93.7              | 91.2     | 2.4        |             |
| Iron       | 12000                     | 20500 | 11700             | 72.6N(a) | 4.8        |             |
| Lead       | 17.9                      | 97.4  | 93.7              | 84.8     | 3.6        |             |
| Magnesium  | 15500                     | 24500 | 11700             | 76.8     | 3.6        |             |
| Manganese  | 427                       | 480   | 93.7              | 56.5 (b) | 3.9        |             |
| Molybdenum |                           |       |                   |          |            |             |
| Nickel     | 8.0                       | 92.8  | 93.7              | 90.5     | 3.4        |             |
| Potassium  | 5060                      | 15000 | 11700             | 84.8     | 3.4        |             |
| Selenium   | 0.47                      | 85.3  | 93.7              | 90.5     | 1.9        |             |
| Silver     | 0.0                       | 84.2  | 93.7              | 89.8     | 1.4        |             |
| Sodium     | 5820                      | 16400 | 11700             | 90.3     | 0.6        |             |
| Strontium  |                           |       |                   |          |            |             |
| Thallium   | 0.0                       | 81.6  | 93.7              | 87.1     | 1.6        |             |
| Tin        |                           |       |                   |          |            |             |
| Titanium   |                           |       |                   |          |            |             |
| Vanadium   | 25.1                      | 105   | 93.7              | 85.2     | 2.8        |             |
| Zinc       | 208                       | 285   | 93.7              | 82.2     | 7.1        |             |

Associated samples MP7074: T20073-10

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike recovery indicates possible matrix interference.

(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

8.5.2  
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T20073  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7074  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 12/20/07

| Metal      | LCS Result | Spikelot MPLCD049 | % Rec | QC Limits |
|------------|------------|-------------------|-------|-----------|
| Aluminum   | 8230       | 7730              | 106.5 | 58-142    |
| Antimony   | 30.4       | 60.6              | 50.2  | 17-223    |
| Arsenic    | 220        | 257               | 85.6  | 80-120    |
| Barium     | 431        | 472               | 91.3  | 82-118    |
| Beryllium  | 78.9       | 88.4              | 89.3  | 82-118    |
| Boron      |            |                   |       |           |
| Cadmium    | 103        | 117               | 88.0  | 82-119    |
| Calcium    | 3280       | 3640              | 90.1  | 79-121    |
| Chromium   | 64.5       | 72.8              | 88.6  | 79-121    |
| Cobalt     | 73.9       | 82.5              | 89.6  | 82-118    |
| Copper     | 88.1       | 100               | 88.1  | 83-118    |
| Iron       | 12300      | 14500             | 84.8  | 51-149    |
| Lead       | 145        | 166               | 87.3  | 81-119    |
| Magnesium  | 2700       | 3000              | 90.0  | 77-123    |
| Manganese  | 329        | 374               | 88.0  | 80-120    |
| Molybdenum |            |                   |       |           |
| Nickel     | 88.3       | 103               | 85.7  | 82-118    |
| Potassium  | 2250       | 2410              | 93.4  | 71-129    |
| Selenium   | 150        | 173               | 86.7  | 76-124    |
| Silver     | 112        | 123               | 91.1  | 61-139    |
| Sodium     | 414        | 574               | 72.1  | 56-144    |
| Strontium  |            |                   |       |           |
| Thallium   | 178        | 194               | 91.8  | 76-124    |
| Tin        |            |                   |       |           |
| Titanium   |            |                   |       |           |
| Vanadium   | 121        | 138               | 87.7  | 75-125    |
| Zinc       | 179        | 201               | 89.1  | 79-120    |

Associated samples MP7074: T20073-10

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

8.5.3  
**8**

SERIAL DILUTION RESULTS SUMMARY

Login Number: T20073  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7074  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 12/20/07

| Metal      | T20073-10 |         | RPD       | QC Limits |
|------------|-----------|---------|-----------|-----------|
|            | Original  | SDL 1:5 |           |           |
| Aluminum   | 80800     | 81900   | 1.4       | 0-10      |
| Antimony   | 0.00      | 0.00    | NC        | 0-10      |
| Arsenic    | 21.4      | 20.5    | 4.5       | 0-10      |
| Barium     | 1420      | 1450    | 2.1       | 0-10      |
| Beryllium  | 2.91      | 3.15    | 8.2       | 0-10      |
| Boron      |           |         |           |           |
| Cadmium    | 0.00      | 0.00    | NC        | 0-10      |
| Calcium    | 195000    | 203000  | 4.4       | 0-10      |
| Chromium   | 62.5      | 56.7    | 9.3       | 0-10      |
| Cobalt     | 18.6      | 18.2    | 2.2       | 0-10      |
| Copper     | 51.8      | 60.8    | 17.5 (a)  | 0-10      |
| Iron       | 51200     | 54000   | 5.4       | 0-10      |
| Lead       | 76.6      | 82.1    | 7.2       | 0-10      |
| Magnesium  | 66300     | 69300   | 4.7       | 0-10      |
| Manganese  | 1830      | 1910    | 4.8       | 0-10      |
| Molybdenum |           |         |           |           |
| Nickel     | 34.2      | 25.1    | 26.7 (a)  | 0-10      |
| Potassium  | 21700     | 20100   | 7.0       | 0-10      |
| Selenium   | 2.01      | 0.00    | 100.0 (a) | 0-10      |
| Silver     | 0.00      | 0.00    | NC        | 0-10      |
| Sodium     | 24900     | 24600   | 1.3       | 0-10      |
| Strontium  |           |         |           |           |
| Thallium   | 0.00      | 0.00    | NC        | 0-10      |
| Tin        |           |         |           |           |
| Titanium   |           |         |           |           |
| Vanadium   | 107       | 110     | 2.2       | 0-10      |
| Zinc       | 891       | 966     | 8.4       | 0-10      |

Associated samples MP7074: T20073-10

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

8.5.4  
8

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: T20073  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7083  
Matrix Type: SOLID

Methods: SW846 7471A  
Units: mg/kg

Prep Date: 12/24/07

| Metal   | RL    | IDL   | MB<br>raw | final  |
|---------|-------|-------|-----------|--------|
| Mercury | 0.017 | .0041 | 0.0018    | <0.017 |

Associated samples MP7083: T20073-10, T20073-12, T20073-13

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

8.6.1  
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T20073  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7083  
 Matrix Type: SOLID

Methods: SW846 7471A  
 Units: mg/kg

Prep Date: 12/24/07 12/24/07

| Metal   | T20073-10 |       | RPD | QC<br>Limits | T20073-10 |       | Spikelot |          | QC<br>Limits |
|---------|-----------|-------|-----|--------------|-----------|-------|----------|----------|--------------|
|         | Original  | DUP   |     |              | Original  | MS    | HGTXWS1  | % Rec    |              |
| Mercury | 0.034     | 0.034 | 0.0 | 0-20         | 0.034     | 0.044 | 0.605    | 1.7N (a) | 75-125       |

Associated samples MP7083: T20073-10, T20073-12, T20073-13

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested  
 (a) Spike recovery indicates possible matrix interference.

8.6.2  
**8**

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T20073  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7083  
 Matrix Type: SOLID

Methods: SW846 7471A  
 Units: mg/kg

Prep Date: 12/24/07

| Metal   | T20073-10<br>Original MSD | Spikelot<br>HGTXWS1 | % Rec | MSD<br>RPD | QC<br>Limit |
|---------|---------------------------|---------------------|-------|------------|-------------|
| Mercury | 0.034                     | 0.032               | 0.591 | -0.3N(a)   | 31.6        |

Associated samples MP7083: T20073-10, T20073-12, T20073-13

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested  
 (a) Spike recovery indicates possible matrix interference.

8.6.2  
**8**

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T20073  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7083  
Matrix Type: SOLID

Methods: SW846 7471A  
Units: mg/kg

Prep Date: 12/24/07

| Metal   | LCS<br>Result | Spikelot<br>HGLCD049 % Rec | QC<br>Limits |
|---------|---------------|----------------------------|--------------|
| Mercury | 4.2           | 4.18                       | 100.5 68-132 |

Associated samples MP7083: T20073-10, T20073-12, T20073-13

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

8.6.3  
8

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: T20073  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7085  
Matrix Type: AQUEOUS

Methods: SW846 7470A  
Units: ug/l

Prep Date: 12/24/07

| Metal   | RL   | IDL  | MB<br>raw | final |
|---------|------|------|-----------|-------|
| Mercury | 0.20 | .049 | 0.017     | <0.20 |

Associated samples MP7085: T20073-5, T20073-7, T20073-9, T20073-11, T20073-14

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

8.7.1  
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T20073  
 Account: KLETXAU - KLEINFELDER  
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7085  
 Matrix Type: AQUEOUS

Methods: SW846 7470A  
 Units: ug/l

Prep Date: 12/24/07 12/24/07

| Metal   | T20114-6<br>Original | DUP | RPD | QC<br>Limits | T20114-6<br>Original MS | Spikelot<br>HGTXAQ40 | % Rec | QC<br>Limits |        |
|---------|----------------------|-----|-----|--------------|-------------------------|----------------------|-------|--------------|--------|
| Mercury | 0.0                  | 0.0 | NC  | 0-6.6        | 0.0                     | 3.1                  | 3     | 103.3        | 78-118 |

Associated samples MP7085: T20073-5, T20073-7, T20073-9, T20073-11, T20073-14

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

8.7.2  
**8**

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T20073  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7085  
Matrix Type: AQUEOUS

Methods: SW846 7470A  
Units: ug/l

Prep Date: 12/24/07

| Metal   | T20114-6<br>Original MSD | Spikelot<br>HGTXAQ40 % Rec | MSD<br>RPD | QC<br>Limit |     |
|---------|--------------------------|----------------------------|------------|-------------|-----|
| Mercury | 0.0                      | 3.0                        | 3          | 100.0       | 3.3 |

Associated samples MP7085: T20073-5, T20073-7, T20073-9, T20073-11, T20073-14

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(N) Matrix Spike Rec. outside of QC limits  
(anr) Analyte not requested

8.7.2  
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SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T20073  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7085  
Matrix Type: AQUEOUS

Methods: SW846 7470A  
Units: ug/l

Prep Date: 12/24/07

| Metal | BSP<br>Result | Spikelot<br>HGTXAQ40 % Rec | QC<br>Limits |
|-------|---------------|----------------------------|--------------|
|-------|---------------|----------------------------|--------------|

Mercury 3.0 3 100.0 80-120

Associated samples MP7085: T20073-5, T20073-7, T20073-9, T20073-11, T20073-14

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(anr) Analyte not requested

8.7.3  
8



## General Chemistry

### QC Data Summaries

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Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: T20073  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

| Analyte              | Batch ID | RL    | MB Result | Units | Spike Amount | BSP Result | BSP %Recov | QC Limits |
|----------------------|----------|-------|-----------|-------|--------------|------------|------------|-----------|
| Chromium, Hexavalent | GN12812  | 0.010 | <0.010    | mg/l  | 0.2          | 0.21       | 102.0      | 88-113%   |

Associated Samples:

Batch GN12812: T20073-11, T20073-14, T20073-5, T20073-7, T20073-9

(\*) Outside of QC limits

DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: T20073  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

| Analyte              | Batch ID | QC Sample | Units | Original Result | DUP Result | RPD | QC Limits |
|----------------------|----------|-----------|-------|-----------------|------------|-----|-----------|
| Chromium, Hexavalent | GN12812  | T20073-14 | mg/l  | 0.0040 B        | <0.010     | 0.0 | 0-11%     |
| Solids, Percent      | GN12853  | T20058-1  | %     | 91.5            | 92.7       | 1.3 | 0-20%     |

Associated Samples:

Batch GN12812: T20073-11, T20073-14, T20073-5, T20073-7, T20073-9

Batch GN12853: T20073-1, T20073-10, T20073-12, T20073-13, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8

(\*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: T20073  
Account: KLETXAU - KLEINFELDER  
Project: Falcon Refinery Superfund Site/Ingleside, TX

| Analyte              | Batch ID | QC Sample | Units | Original Result | Spike Amount | MS Result | %Rec | QC Limits |
|----------------------|----------|-----------|-------|-----------------|--------------|-----------|------|-----------|
| Chromium, Hexavalent | GN12812  | T20073-14 | mg/l  | 0.0040 B        | 0.1          | 0.092     | 92.0 | 70-122%   |

Associated Samples:  
Batch GN12812: T20073-11, T20073-14, T20073-5, T20073-7, T20073-9  
(\* ) Outside of QC limits  
(N) Matrix Spike Rec. outside of QC limits



## Misc. Forms

### Custody Documents and Other Forms

(Accutest Laboratories Southeast, Inc.)

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Includes the following where applicable:

- Chain of Custody



**ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION**

ACCUTEST'S JOB NUMBER: T20073 CLIENT: ALC PROJECT: T20073  
 DATE/TIME RECEIVED: 12-14-07 09:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 20  
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER  
 AIRBILL NUMBERS: 7988 3055 2243

**COOLER INFORMATION**

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

**TRIP BLANK INFORMATION**

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

**MISC. INFORMATION**

NUMBER OF ENCORES ? 0  
 NUMBER OF 5035 FIELD KITS ? 0  
 NUMBER OR LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS: Sample T20073-1 ; T20073-10 received 2 jars coc 495 1

**SAMPLE INFORMATION**

- SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
  - CORRECT NUMBER OF CONTAINERS USED
  - SAMPLE RECEIVED IMPROPERLY PRESERVED
  - INSUFFICIENT VOLUME FOR ANALYSIS
  - TIMES ON COC DOES NOT MATCH LABEL(S)
  - ID'S ON COC DOES NOT MATCH LABEL(S)
  - VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
  - BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
  - NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
  - UNCLEAR FILTERING INSTRUCTIONS
  - UNCLEAR COMPOSITING INSTRUCTIONS
  - SAMPLE CONTAINER(S) RECEIVED BROKEN
  - % SOLIDS JAR NOT RECEIVED
  - 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
  - RESIDUAL CHLORINE PRESENT
- ( APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TECHNICIAN SIGNATURE/DATE E.T. 12-14-07 TECHNICIAN SIGNATURE/DATE JMC ASBD 10/03/06

10.1 10



## General Chemistry

### QC Data Summaries

(Accutest Laboratories Southeast, Inc.)

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Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries



METHOD BLANK AND SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: T20073

Account: ALGC - Accutest Laboratories Gulf Coast, Inc.  
Project: KLETXAU: Falcon Refinery Superfund Site/Ingleside, TX

| Analyte              | Batch ID | RL  | MB Result | Units | Spike Amount | BSP Result | BSP %Recov | QC Limits |
|----------------------|----------|-----|-----------|-------|--------------|------------|------------|-----------|
| Chromium, Hexavalent | GN28839  | 2.0 | <2.0      | mg/kg | 20.0         | 17.8       | 88.8       | 80-120%   |

Associated Samples:

Batch GN28839: T20073-1, T20073-10, T20073-12, T20073-13, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8

(\*) Outside of QC limits

11.1  
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DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: T20073

Account: ALGC - Accutest Laboratories Gulf Coast, Inc.  
Project: KLETXAU: Falcon Refinery Superfund Site/Ingleside, TX

| Analyte              | Batch ID | QC Sample | Units | Original Result | DUP Result | RPD       | QC Limits |
|----------------------|----------|-----------|-------|-----------------|------------|-----------|-----------|
| Chromium, Hexavalent | GN28839  | T20058-4  | mg/kg | 1.2 U           | 3.9        | 211.0*(a) | 0-20%     |

Associated Samples:

Batch GN28839: T20073-1, T20073-10, T20073-12, T20073-13, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8

(\*) Outside of QC limits

(a) High RPD acceptable due to low sample and duplicate concentration.

11.2  
11

MATRIX SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: T20073

Account: ALGC - Accutest Laboratories Gulf Coast, Inc.  
Project: KLETXAU: Falcon Refinery Superfund Site/Ingleside, TX

| Analyte              | Batch ID | QC Sample | Units | Original Result | Spike Amount | MS Result | %Rec     | QC Limits |
|----------------------|----------|-----------|-------|-----------------|--------------|-----------|----------|-----------|
| Chromium, Hexavalent | GN28839  | T20058-4  | mg/kg | 1.2 U           | 24.4         | 16.9      | 69.1*(a) | 80-120%   |

Associated Samples:

Batch GN28839: T20073-1, T20073-10, T20073-12, T20073-13, T20073-2, T20073-3, T20073-4, T20073-6, T20073-8

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

11.3  
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